

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021424\
 Data File : VN081020.D
 Acq On : 14 Feb 2024 12:37
 Operator : JC\MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC020

Quant Time: Feb 15 07:37:42 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021424W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 15 07:35:29 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 02/15/2024
 Supervised By : Mahesh Dadoda 02/15/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	610327	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	1094611	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	947331	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	341458	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	144720	19.278	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	38.560%#		
35) Dibromofluoromethane	8.165	113	121867	19.418	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	38.840%#		
50) Toluene-d8	10.565	98	424098	19.161	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	38.320%#		
62) 4-Bromofluorobenzene	12.847	95	149797	19.899	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	39.800%#		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	152315	19.459	ug/l	97
3) Chloromethane	2.365	50	189938	19.994	ug/l	99
4) Vinyl Chloride	2.518	62	161369	19.629	ug/l	92
5) Bromomethane	2.948	94	84699	20.420	ug/l	89
6) Chloroethane	3.112	64	101705	19.242	ug/l	97
7) Trichlorofluoromethane	3.495	101	238735	20.631	ug/l	90
8) Diethyl Ether	3.953	74	93137	20.301	ug/l	86
9) 1,1,2-Trichlorotrifluo...	4.365	101	144239	21.122	ug/l	91
10) Methyl Iodide	4.589	142	142556	20.557	ug/l	99
11) Tert butyl alcohol	5.518	59	142182	105.586	ug/l	100
12) 1,1-Dichloroethene	4.336	96	140104	21.062	ug/l	100
13) Acrolein	4.177	56	114256	101.279	ug/l	98
14) Allyl chloride	5.024	41	219292	20.243	ug/l	93
15) Acrylonitrile	5.712	53	361968	104.954	ug/l	98
16) Acetone	4.424	43	280220	95.352	ug/l	99
17) Carbon Disulfide	4.712	76	388091	20.136	ug/l	97
18) Methyl Acetate	5.024	43	147103	19.005	ug/l	93
19) Methyl tert-butyl Ether	5.789	73	498366	21.471	ug/l	94
20) Methylene Chloride	5.277	84	155288	20.286	ug/l	93
21) trans-1,2-Dichloroethene	5.783	96	149222	20.405	ug/l	97
22) Diisopropyl ether	6.665	45	495144	20.897	ug/l #	96
23) Vinyl Acetate	6.600	43	2045920	107.150	ug/l #	95
24) 1,1-Dichloroethane	6.571	63	286196	21.660	ug/l	98
25) 2-Butanone	7.483	43	487623	102.206	ug/l	96
26) 2,2-Dichloropropane	7.489	77	258868	21.287	ug/l	98
27) cis-1,2-Dichloroethene	7.489	96	177389	20.988	ug/l	88
28) Bromochloromethane	7.812	49	109355	20.500	ug/l #	73
29) Tetrahydrofuran	7.836	42	315853	103.012	ug/l #	88
30) Chloroform	7.965	83	292908	20.656	ug/l	100
31) Cyclohexane	8.253	56	261097	20.021	ug/l #	83
32) 1,1,1-Trichloroethane	8.171	97	261348	20.872	ug/l	90
36) 1,1-Dichloropropene	8.371	75	216846	20.708	ug/l	97
37) Ethyl Acetate	7.559	43	208523	21.769	ug/l	99
38) Carbon Tetrachloride	8.359	117	166787	21.760	ug/l	99
39) Methylcyclohexane	9.600	83	270193	20.973	ug/l	91
40) Benzene	8.606	78	641789	20.726	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.777	41	118544	20.387	ug/l	97
42) 1,2-Dichloroethane	8.671	62	225095	20.479	ug/l	100
43) Isopropyl Acetate	8.688	43	363399	20.249	ug/l #	96
44) Trichloroethene	9.353	130	188537	20.556	ug/l	97
45) 1,2-Dichloropropane	9.618	63	162416	21.203	ug/l	100
46) Dibromomethane	9.706	93	112189	20.749	ug/l	91
47) Bromodichloromethane	9.888	83	222950	21.039	ug/l #	96
48) Methyl methacrylate	9.677	41	172354	20.398	ug/l	94
49) 1,4-Dioxane	9.694	88	71074	451.601	ug/l #	84
51) 4-Methyl-2-Pentanone	10.447	43	1050578	104.970	ug/l	96
52) Toluene	10.630	92	411424	21.270	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	263170	21.080	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	278378	21.084	ug/l	94
55) 1,1,2-Trichloroethane	11.018	97	155740	21.411	ug/l	91
56) Ethyl methacrylate	10.877	69	253298	21.268	ug/l	90
57) 1,3-Dichloropropane	11.165	76	269868	20.768	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	607994	102.880	ug/l #	89
59) 2-Hexanone	11.194	43	777739	105.810	ug/l	97
60) Dibromochloromethane	11.359	129	146441	21.172	ug/l	99
61) 1,2-Dibromoethane	11.471	107	160332	20.963	ug/l	96
64) Tetrachloroethene	11.106	164	201820	20.897	ug/l	91
65) Chlorobenzene	11.894	112	410826	20.681	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.959	131	144514	21.131	ug/l	97
67) Ethyl Benzene	11.965	91	794884	21.225	ug/l	97
68) m/p-Xylenes	12.071	106	594998	43.083	ug/l	97
69) o-Xylene	12.400	106	284466	21.238	ug/l	97
70) Styrene	12.412	104	455546	21.339	ug/l	99
71) Bromoform	12.582	173	74469	21.403	ug/l #	96
73) Isopropylbenzene	12.694	105	734881	21.301	ug/l	97
74) N-amyl acetate	12.494	43	337553	21.267	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.941	83	179251	21.169	ug/l	97
76) 1,2,3-Trichloropropane	12.994	75	158232m	21.332	ug/l	
77) Bromobenzene	12.982	156	148926	21.313	ug/l	77
78) n-propylbenzene	13.035	91	857173	21.774	ug/l	98
79) 2-Chlorotoluene	13.123	91	482373	21.215	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	575130	21.487	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.735	75	69078	21.313	ug/l	93
82) 4-Chlorotoluene	13.223	91	455984	20.752	ug/l	97
83) tert-Butylbenzene	13.441	119	491223	21.431	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	551942	21.402	ug/l	96
85) sec-Butylbenzene	13.618	105	687265	21.856	ug/l	94
86) p-Isopropyltoluene	13.729	119	550128	21.755	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	248085	20.878	ug/l	97
88) 1,4-Dichlorobenzene	13.812	146	253501	20.648	ug/l	98
89) n-Butylbenzene	14.059	91	475543	20.545	ug/l	97
90) Hexachloroethane	14.341	117	7013	20.092	ug/l	89
91) 1,2-Dichlorobenzene	14.106	146	244818	21.254	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.717	75	39285	22.018	ug/l	87
93) 1,2,4-Trichlorobenzene	15.394	180	141715	20.536	ug/l	97
94) Hexachlorobutadiene	15.500	225	58083	20.351	ug/l	95
95) Naphthalene	15.641	128	504260	20.540	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	139586	20.641	ug/l	96

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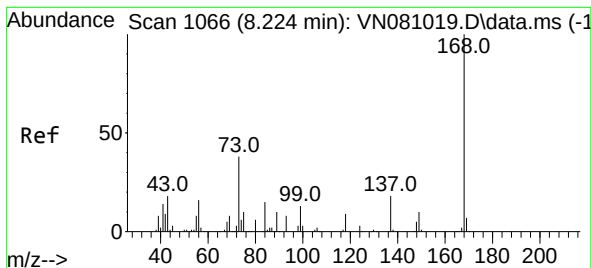
Manual Integrations
APPROVED

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.000 min

Lab File: VN081020.D

Acq: 14 Feb 2024 12:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Tgt Ion:168 Resp: 61032

Ion Ratio Lower Upper

168 100

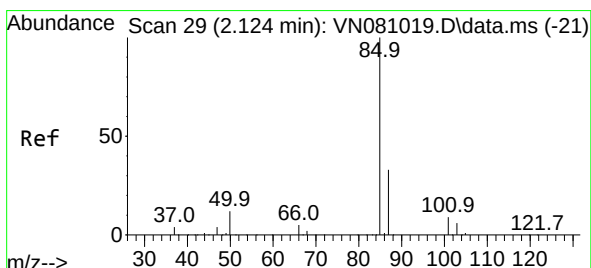
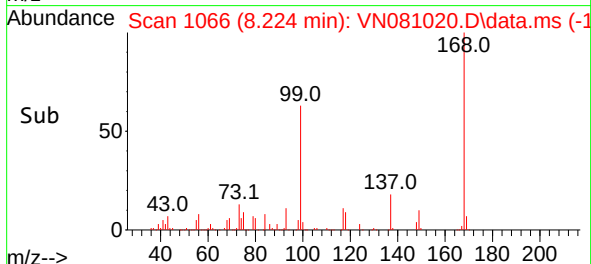
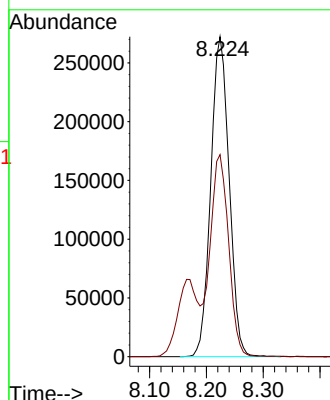
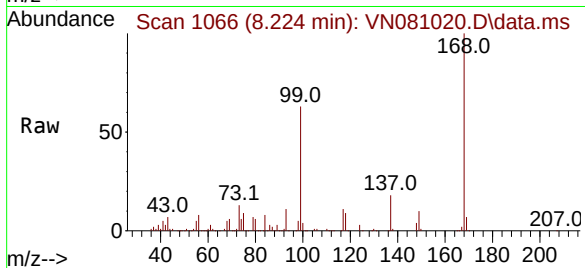
99 63.0 59.9 89.9

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 19.459 ug/l

RT: 2.124 min Scan# 29

Delta R.T. 0.000 min

Lab File: VN081020.D

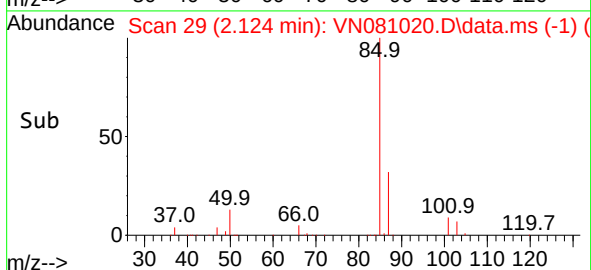
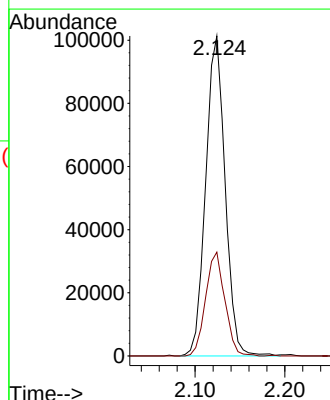
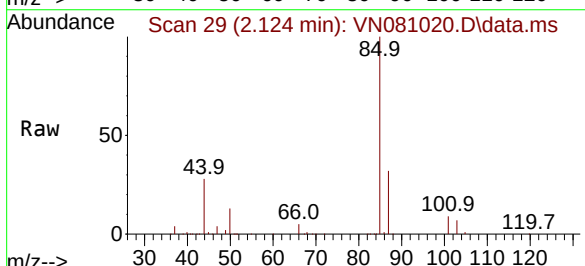
Acq: 14 Feb 2024 12:37

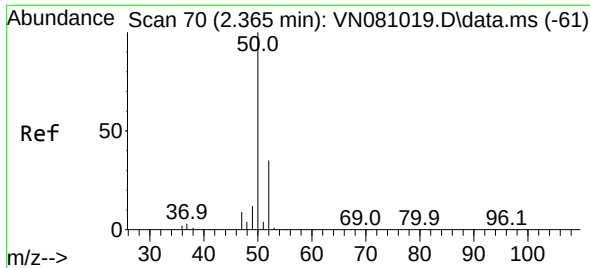
Tgt Ion: 85 Resp: 152315

Ion Ratio Lower Upper

85 100

87 32.5 15.3 45.9





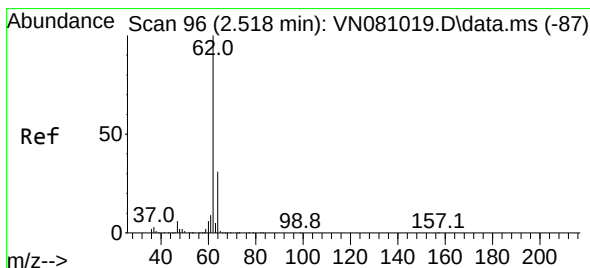
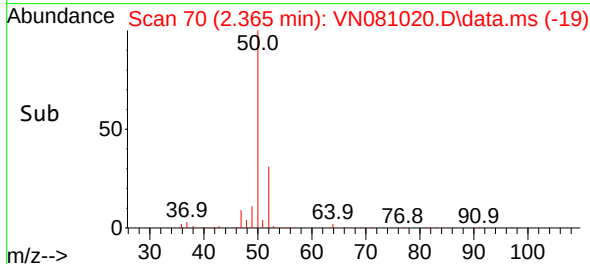
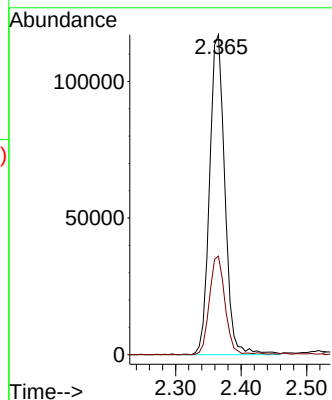
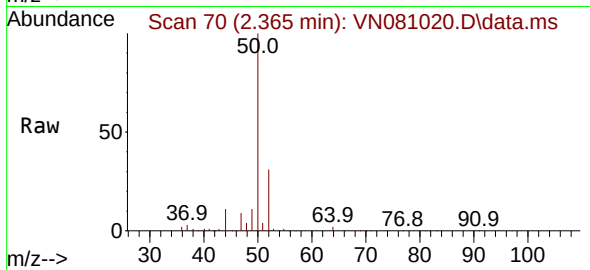
#3
Chloromethane
Concen: 19.994 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.000 min
Lab File: VN081020.D
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Instrument :
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ClientSampleId :
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Tgt Ion: 50 Resp: 189938
Ion Ratio Lower Upper
50 100
52 30.8 25.0 37.4

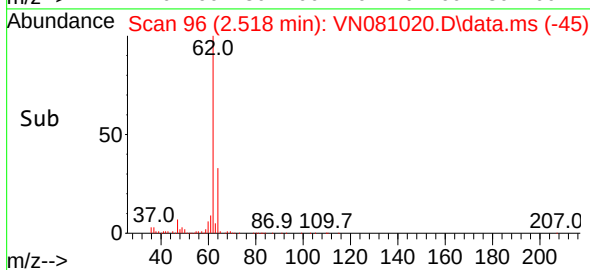
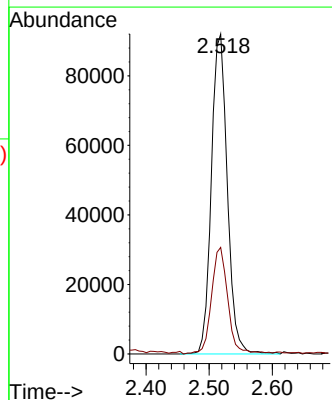
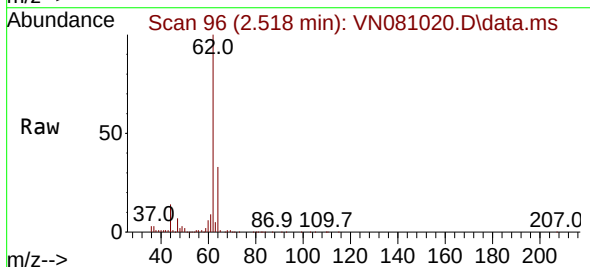
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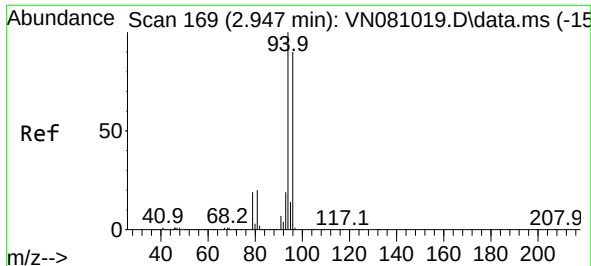
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#4
Vinyl Chloride
Concen: 19.629 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.000 min
Lab File: VN081020.D
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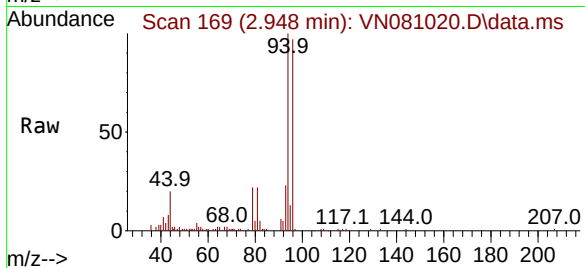
Tgt Ion: 62 Resp: 161369
Ion Ratio Lower Upper
62 100
64 32.7 22.7 34.1





#5
Bromomethane
Concen: 20.420 ug/l
RT: 2.948 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN081020.D
Acq: 14 Feb 2024 12:37

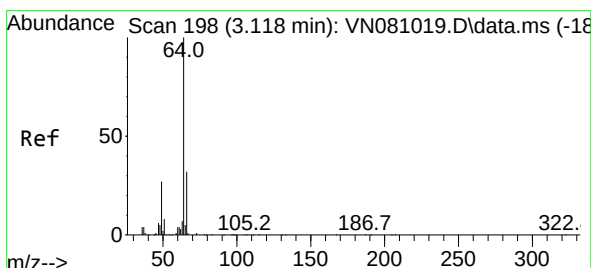
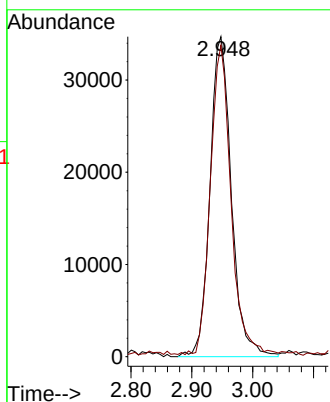
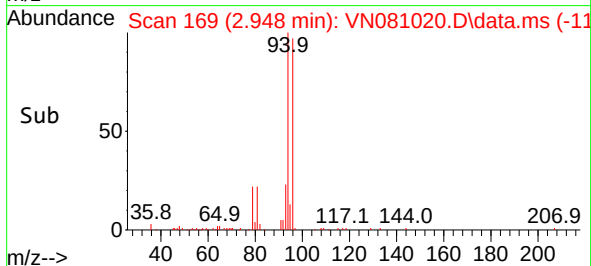
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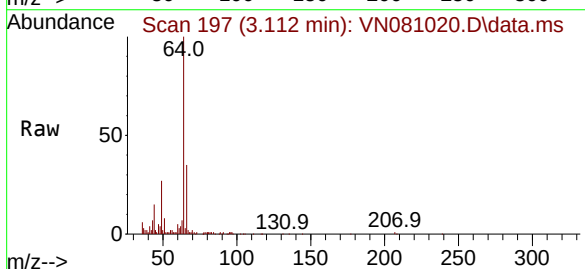
Tgt Ion: 94 Resp: 8469
Ion Ratio Lower Upper
94 100
96 96.6 69.2 103.8

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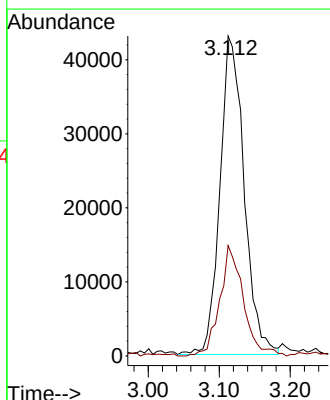
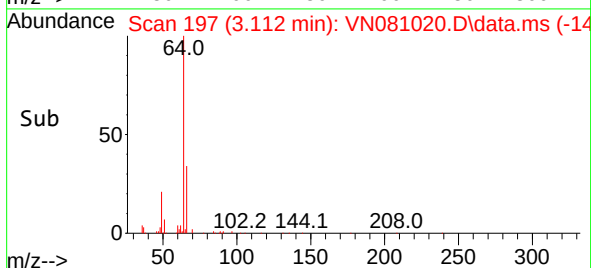
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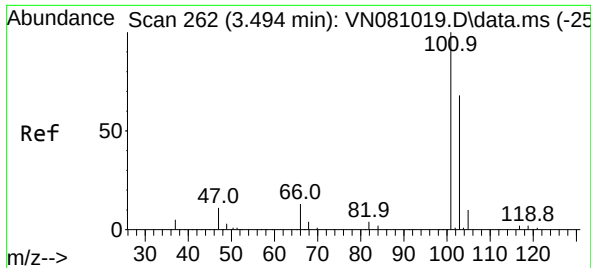


#6
Chloroethane
Concen: 19.242 ug/l
RT: 3.112 min Scan# 197
Delta R.T. -0.006 min
Lab File: VN081020.D
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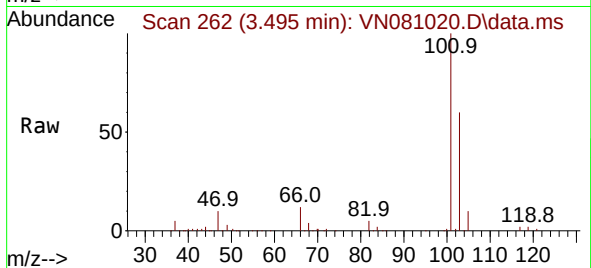
Tgt Ion: 64 Resp: 101705
Ion Ratio Lower Upper
64 100
66 34.7 26.4 39.6





#7
 Trichlorofluoromethane
 Concen: 20.631 ug/l
 RT: 3.495 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN081020.D
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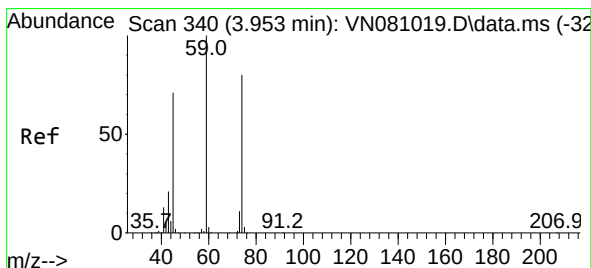
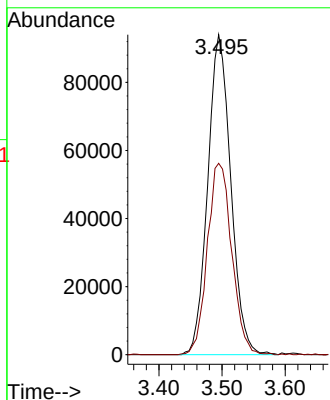
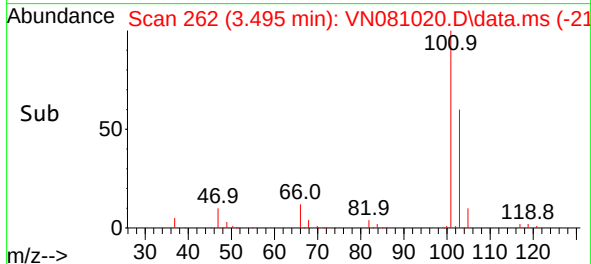
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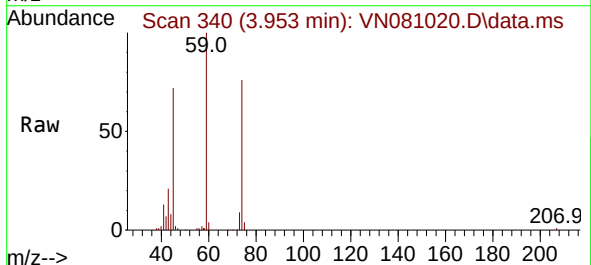
Tgt Ion:101 Resp: 238735
 Ion Ratio Lower Upper
 101 100
 103 59.8 54.4 81.6

Manual Integrations
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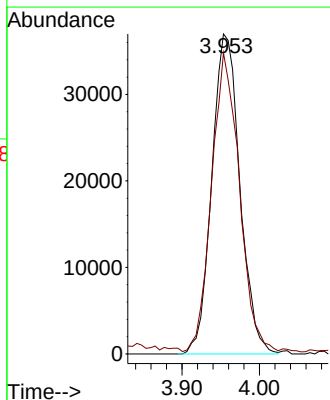
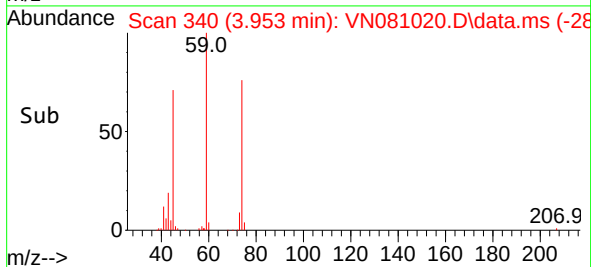
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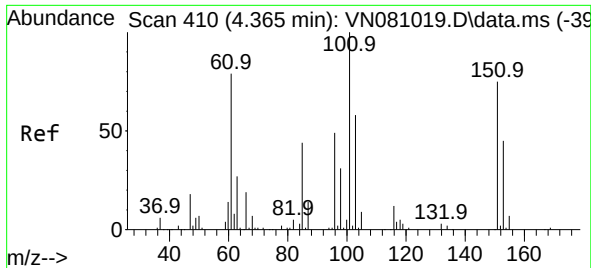


#8
 Diethyl Ether
 Concen: 20.301 ug/l
 RT: 3.953 min Scan# 340
 Delta R.T. 0.000 min
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Tgt Ion: 74 Resp: 93137
 Ion Ratio Lower Upper
 74 100
 45 92.0 53.3 159.9





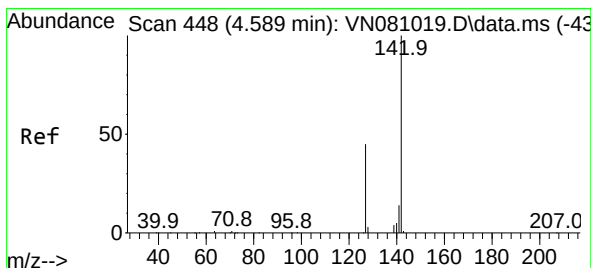
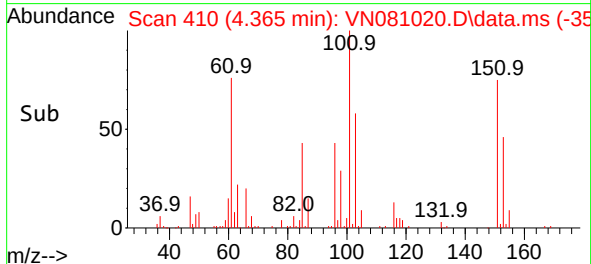
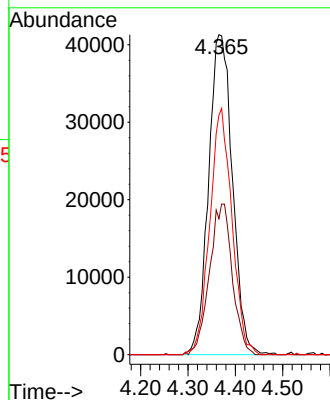
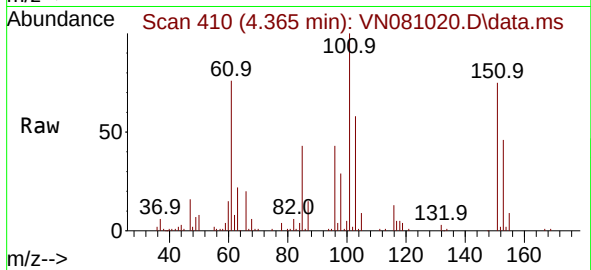
#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.122 ug/l
RT: 4.365 min Scan# 410
Delta R.T. 0.000 min
Lab File: VN081020.D
Acq: 14 Feb 2024 12:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 144239
Ion Ratio Lower Upper
101 100
85 45.2 38.1 57.1
151 71.7 49.1 73.7

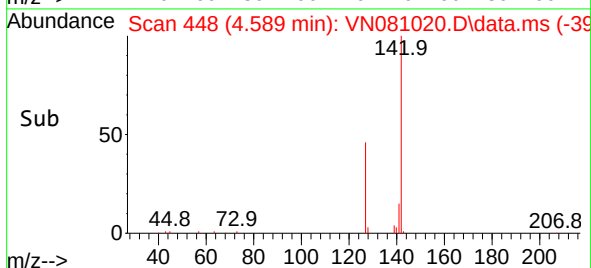
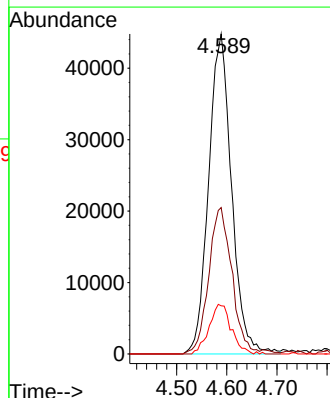
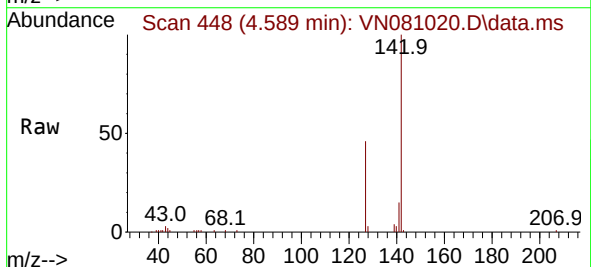
Manual Integrations
APPROVED

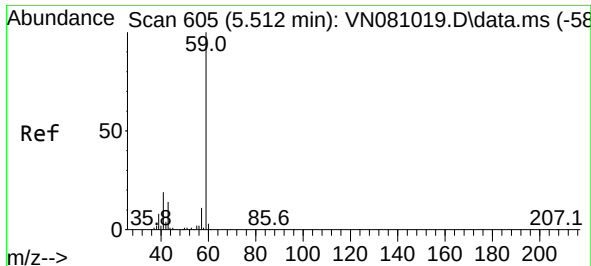
Reviewed By :John Carlone 02/15/2024
Supervised By :Mahesh Dadoda 02/15/2024



#10
Methyl Iodide
Concen: 20.557 ug/l
RT: 4.589 min Scan# 448
Delta R.T. 0.000 min
Lab File: VN081020.D
Acq: 14 Feb 2024 12:37

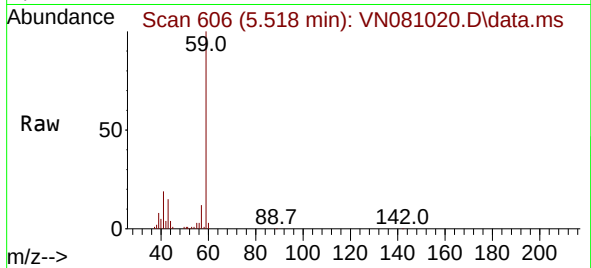
Tgt Ion:142 Resp: 142556
Ion Ratio Lower Upper
142 100
127 45.8 37.0 55.4
141 15.0 12.5 18.7





#11
Tert butyl alcohol
Concen: 105.586 ug/l
RT: 5.518 min Scan# 605
Delta R.T. 0.006 min
Lab File: VN081020.D
Acq: 14 Feb 2024 12:37

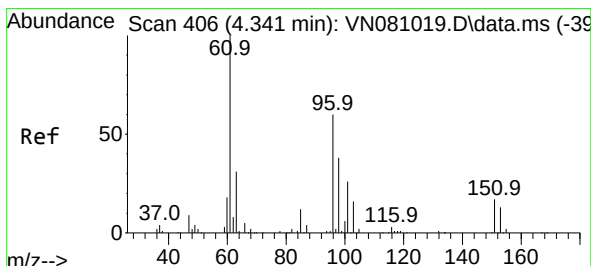
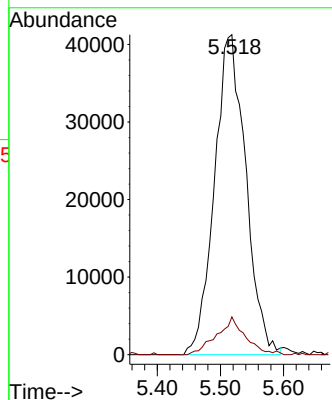
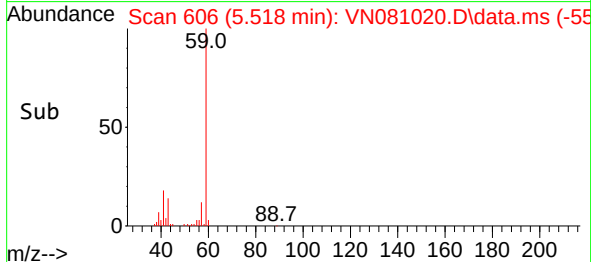
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



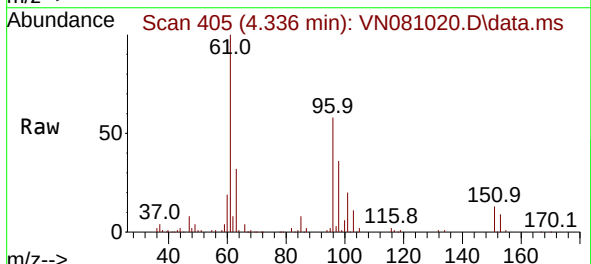
Tgt Ion: 59 Resp: 14218
Ion Ratio Lower Upper
59 100
57 10.8 8.6 12.8

Manual Integrations
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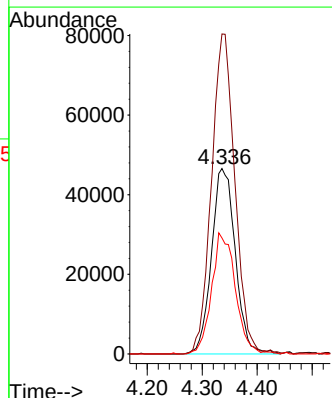
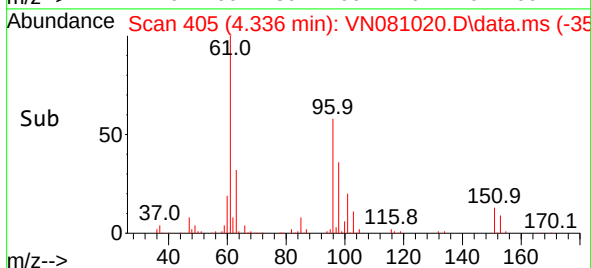
Reviewed By :John Carlone 02/15/2024
Supervised By :Mahesh Dadoda 02/15/2024

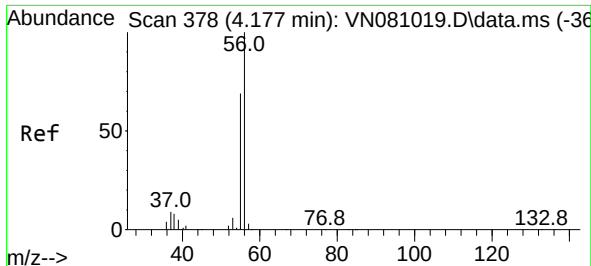


#12
1,1-Dichloroethene
Concen: 21.062 ug/l
RT: 4.336 min Scan# 405
Delta R.T. -0.006 min
Lab File: VN081020.D
Acq: 14 Feb 2024 12:37



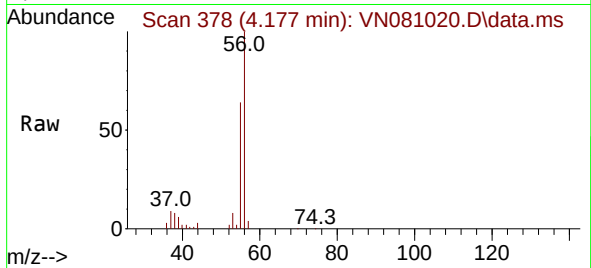
Tgt Ion: 96 Resp: 140104
Ion Ratio Lower Upper
96 100
61 172.6 138.2 207.4
98 62.6 49.2 73.8





#13
Acrolein
Concen: 101.279 ug/l
RT: 4.177 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN081020.D
Acq: 14 Feb 2024 12:37

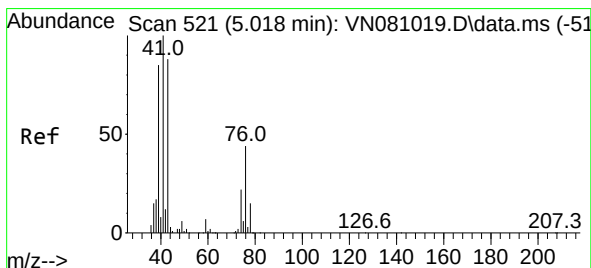
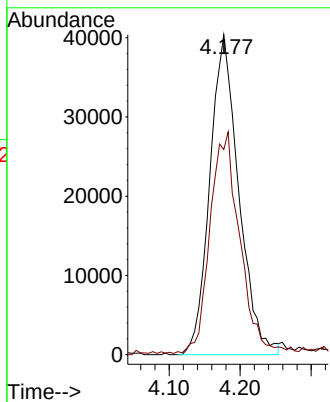
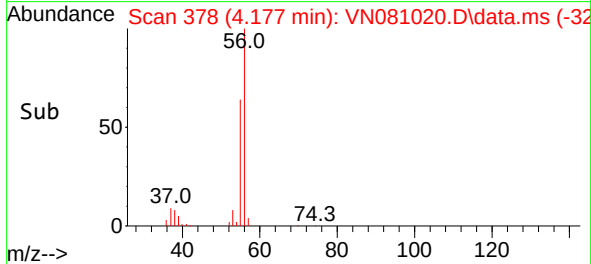
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion: 56 Resp: 114256
Ion Ratio Lower Upper
56 100
55 71.0 55.3 82.9

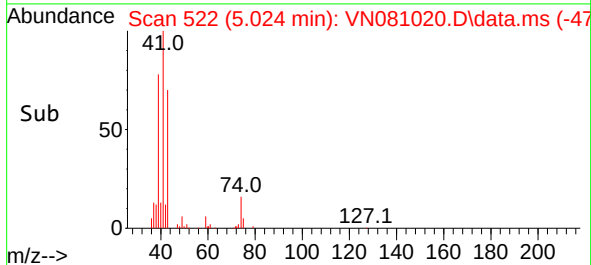
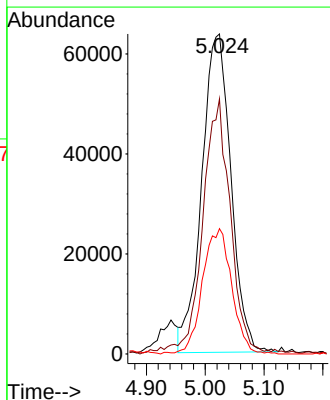
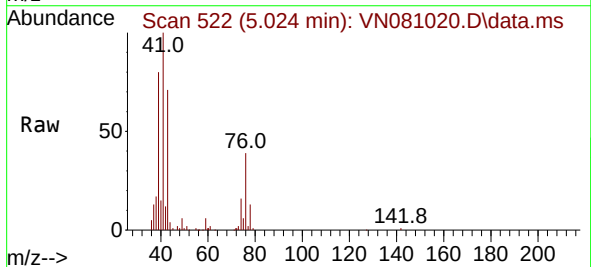
Manual Integrations
APPROVED

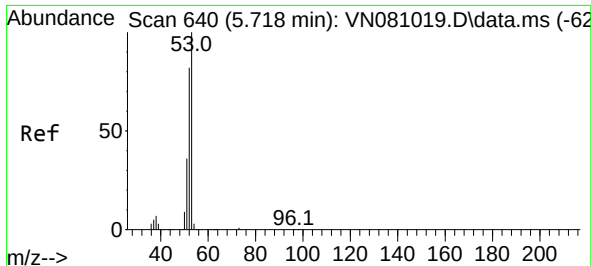
Reviewed By :John Carlone 02/15/2024
Supervised By :Mahesh Dadoda 02/15/2024



#14
Allyl chloride
Concen: 20.243 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN081020.D
Acq: 14 Feb 2024 12:37

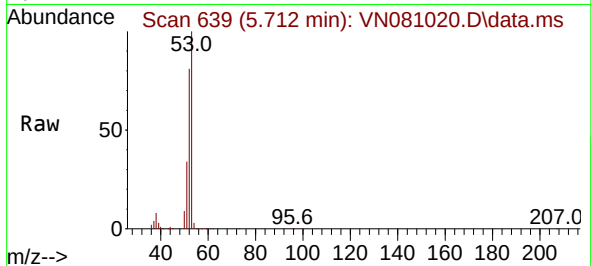
Tgt Ion: 41 Resp: 219292
Ion Ratio Lower Upper
41 100
39 76.1 57.7 86.5
76 39.3 26.8 40.2





#15
Acrylonitrile
Concen: 104.954 ug/l
RT: 5.712 min Scan# 61
Delta R.T. -0.006 min
Lab File: VN081020.D
Acq: 14 Feb 2024 12:37

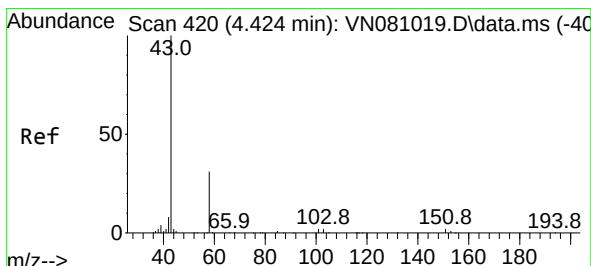
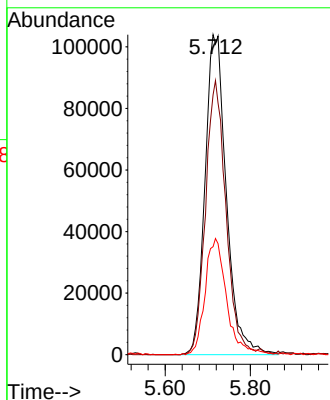
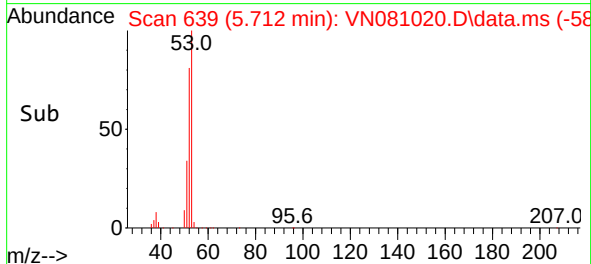
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion: 53 Resp: 361968
Ion Ratio Lower Upper
53 100
52 81.5 64.8 97.2
51 36.5 26.9 40.3

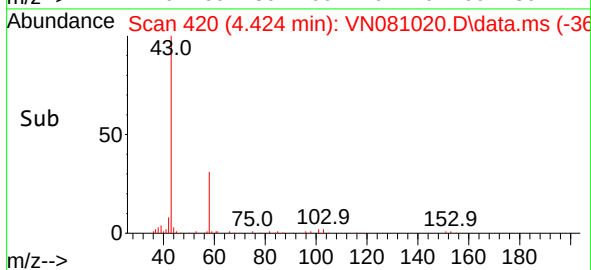
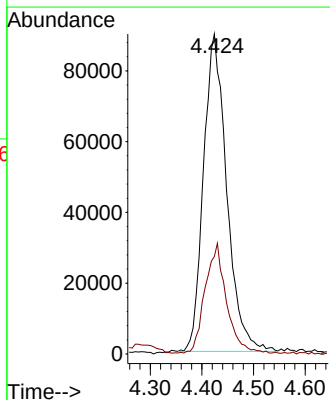
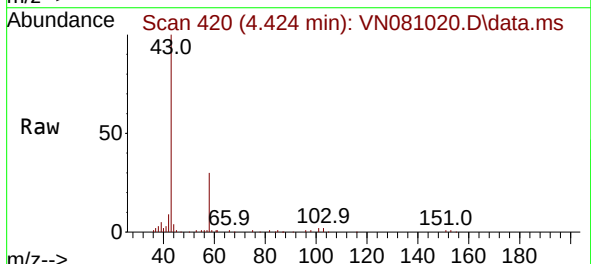
Manual Integrations
APPROVED

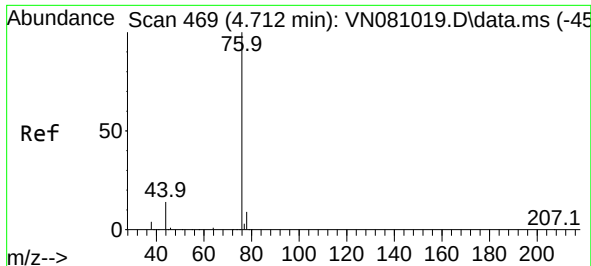
Reviewed By :John Carlone 02/15/2024
Supervised By :Mahesh Dadoda 02/15/2024



#16
Acetone
Concen: 95.352 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN081020.D
Acq: 14 Feb 2024 12:37

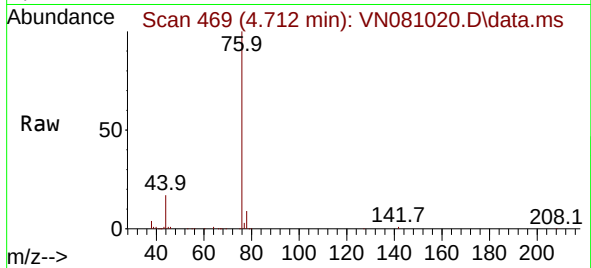
Tgt Ion: 43 Resp: 280220
Ion Ratio Lower Upper
43 100
58 30.4 24.8 37.2





#17
Carbon Disulfide
Concen: 20.136 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.000 min
Lab File: VN081020.D
Acq: 14 Feb 2024 12:37

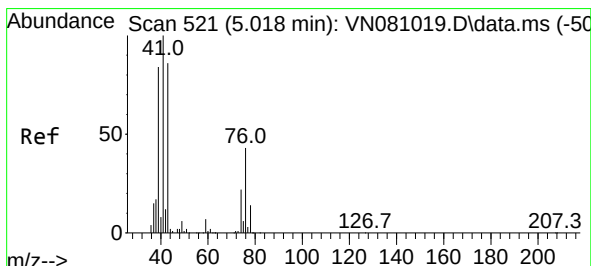
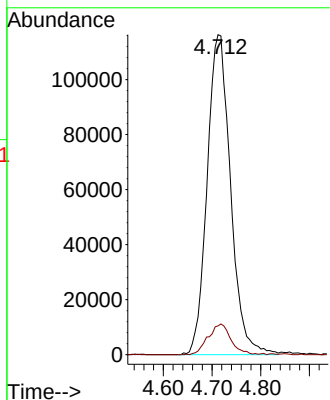
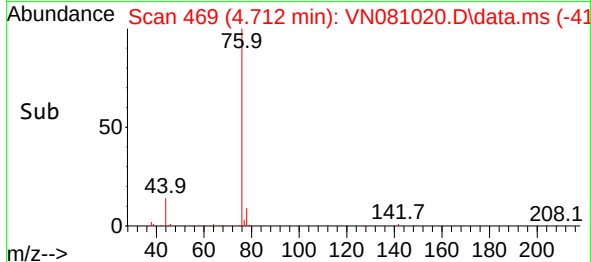
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion: 76 Resp: 38809
Ion Ratio Lower Upper
76 100
78 9.0 6.3 9.5

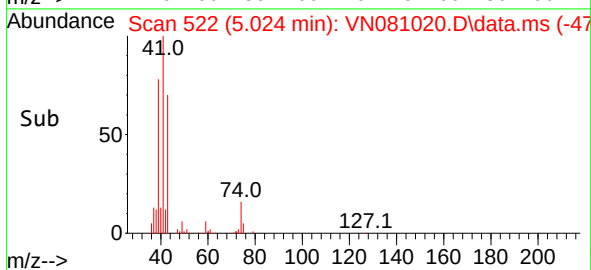
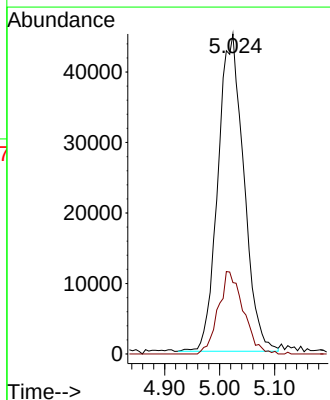
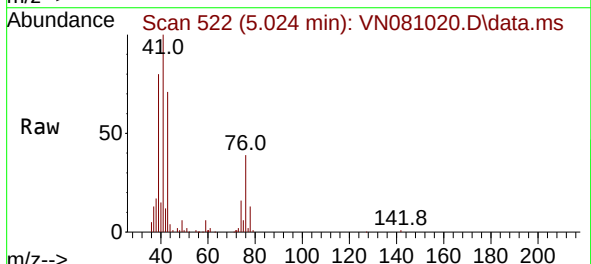
Manual Integrations
APPROVED

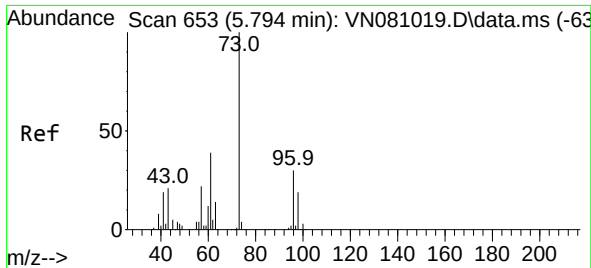
Reviewed By :John Carlone 02/15/2024
Supervised By :Mahesh Dadoda 02/15/2024



#18
Methyl Acetate
Concen: 19.005 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN081020.D
Acq: 14 Feb 2024 12:37

Tgt Ion: 43 Resp: 147103
Ion Ratio Lower Upper
43 100
74 25.1 17.3 25.9





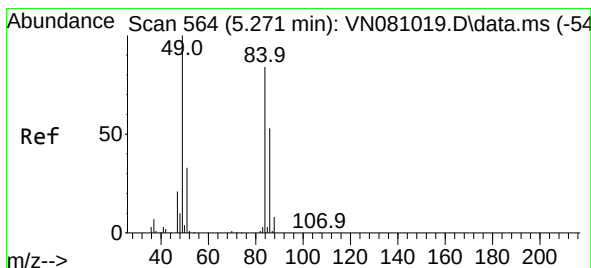
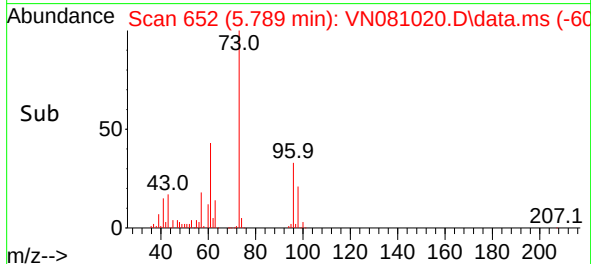
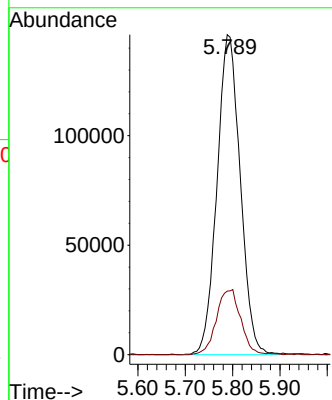
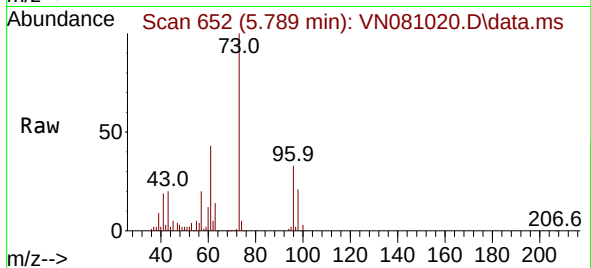
#19
Methyl tert-butyl Ether
Concen: 21.471 ug/l
RT: 5.789 min Scan# 61
Delta R.T. -0.006 min
Lab File: VN081020.D
Acq: 14 Feb 2024 12:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 73 Resp: 49836
Ion Ratio Lower Upper
73 100
57 19.9 18.2 27.4

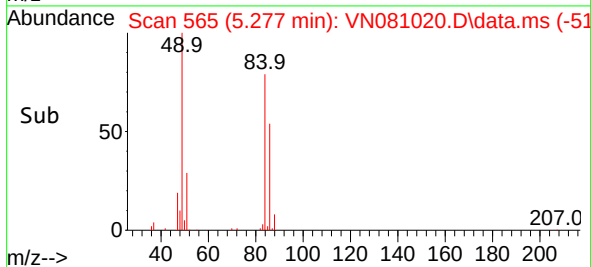
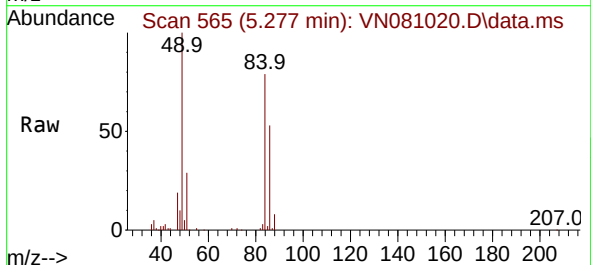
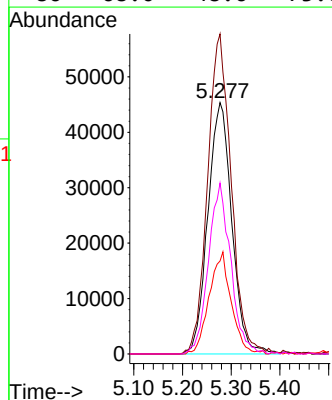
Manual Integrations
APPROVED

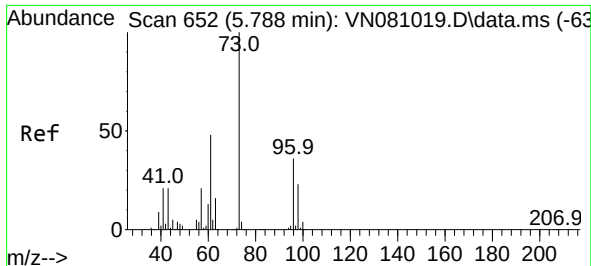
Reviewed By :John Carlone 02/15/2024
Supervised By :Mahesh Dadoda 02/15/2024



#20
Methylene Chloride
Concen: 20.286 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN081020.D
Acq: 14 Feb 2024 12:37

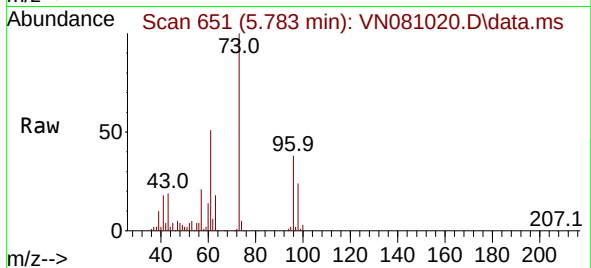
Tgt Ion: 84 Resp: 155288
Ion Ratio Lower Upper
84 100
49 127.3 108.1 162.1
51 37.0 32.9 49.3
86 68.0 48.6 73.0





#21
trans-1,2-Dichloroethene
Concen: 20.405 ug/l
RT: 5.783 min Scan# 61
Delta R.T. -0.006 min
Lab File: VN081020.D
Acq: 14 Feb 2024 12:37

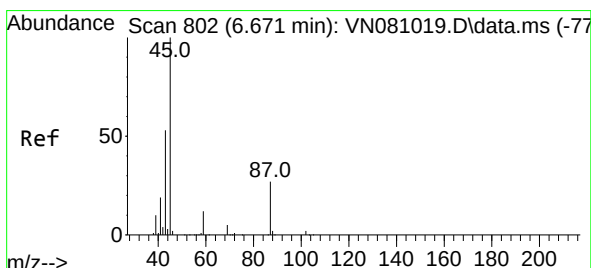
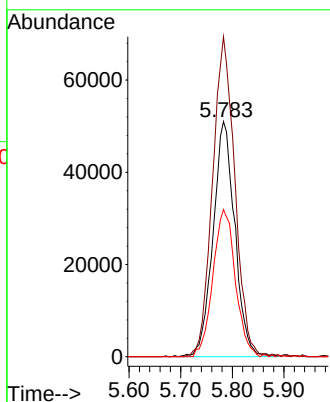
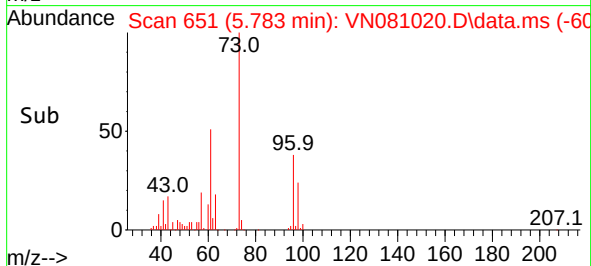
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion: 96 Resp: 14922
Ion Ratio Lower Upper
96 100
61 136.1 112.8 169.2
98 62.5 51.0 76.4

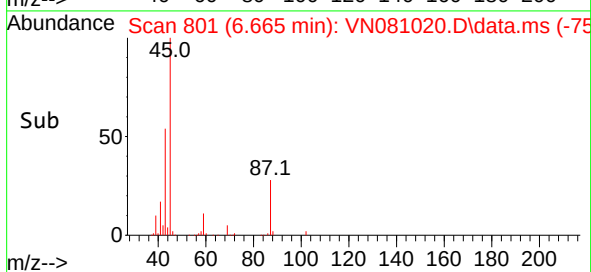
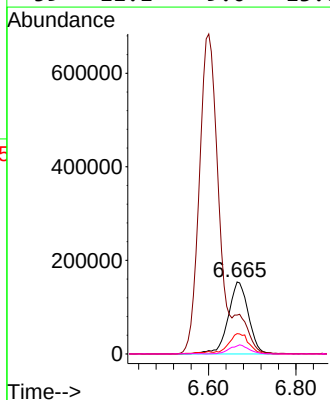
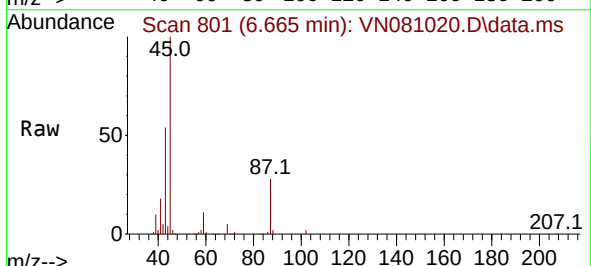
Manual Integrations
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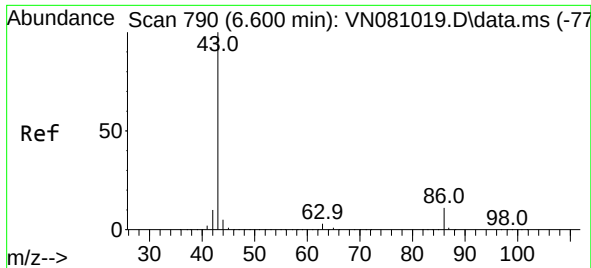
Reviewed By :John Carlone 02/15/2024
Supervised By :Mahesh Dadoda 02/15/2024



#22
Diisopropyl ether
Concen: 20.897 ug/l
RT: 6.665 min Scan# 801
Delta R.T. -0.006 min
Lab File: VN081020.D
Acq: 14 Feb 2024 12:37

Tgt Ion: 45 Resp: 495144
Ion Ratio Lower Upper
45 100
43 53.5 41.8 62.8
87 28.4 18.1 27.1#
59 11.1 9.0 13.6





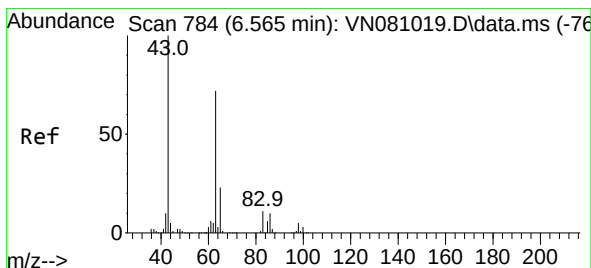
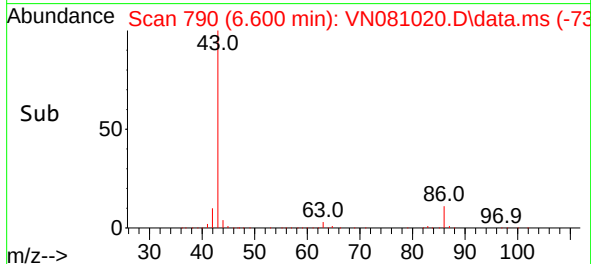
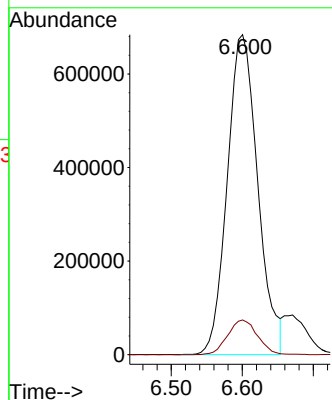
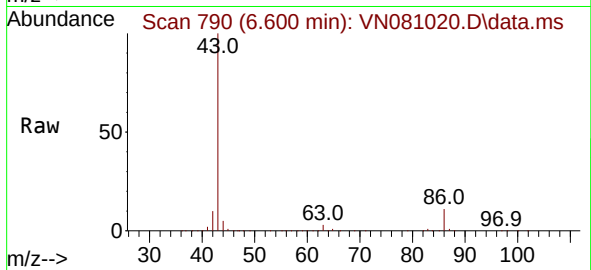
#23
 Vinyl Acetate
 Concen: 107.150 ug/l
 RT: 6.600 min Scan# 790
 Delta R.T. 0.000 min
 Lab File: VN081020.D
 Acq: 14 Feb 2024 12:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC020

Tgt Ion: 43 Resp: 2045920
 Ion Ratio Lower Upper
 43 100
 86 10.8 7.1 10.7

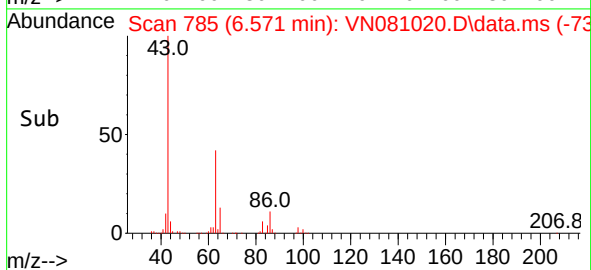
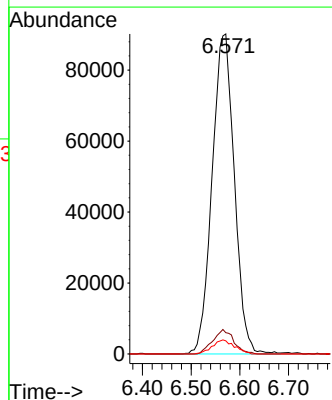
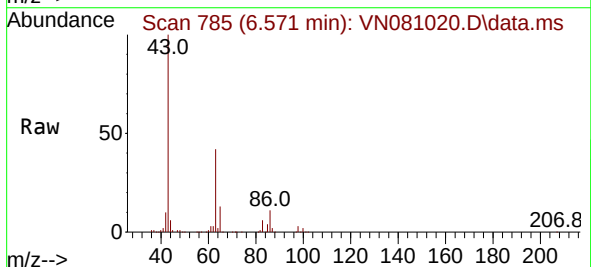
Manual Integrations
 APPROVED

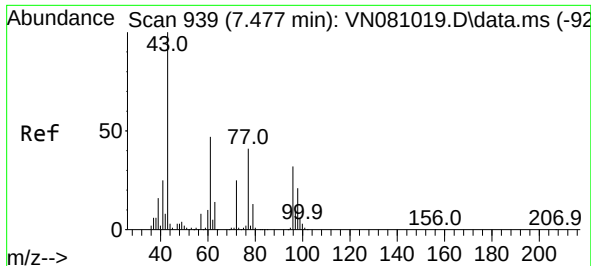
Reviewed By :John Carlone 02/15/2024
 Supervised By :Mahesh Dadoda 02/15/2024



#24
 1,1-Dichloroethane
 Concen: 21.660 ug/l
 RT: 6.571 min Scan# 785
 Delta R.T. 0.006 min
 Lab File: VN081020.D
 Acq: 14 Feb 2024 12:37

Tgt Ion: 63 Resp: 286196
 Ion Ratio Lower Upper
 63 100
 98 6.6 2.9 8.6
 100 4.1 1.9 5.7





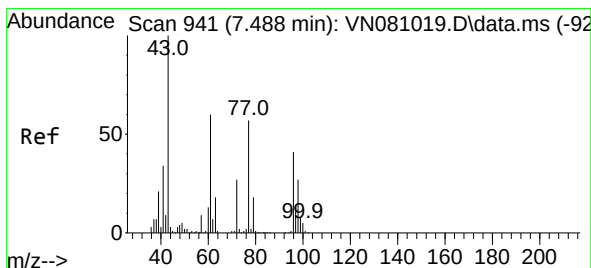
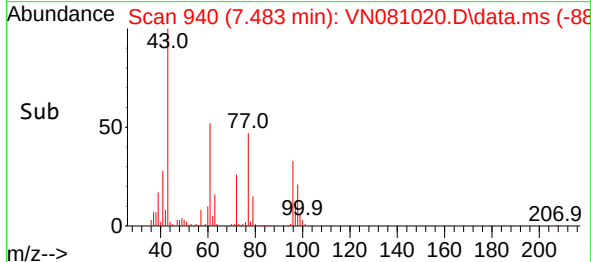
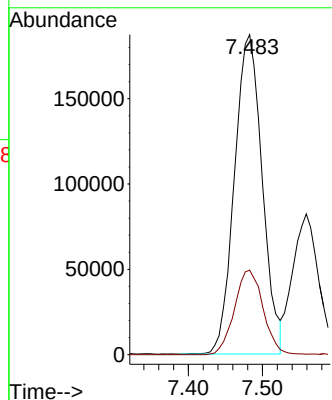
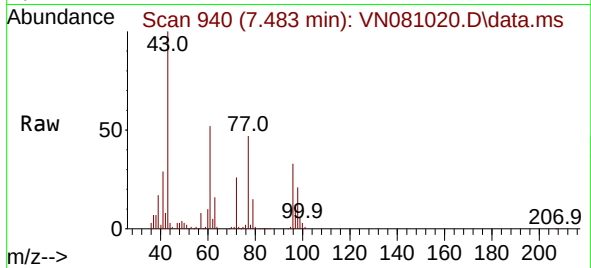
#25
2-Butanone
Concen: 102.206 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN081020.D
Acq: 14 Feb 2024 12:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 487623
Ion Ratio Lower Upper
43 100
72 26.4 19.5 29.3

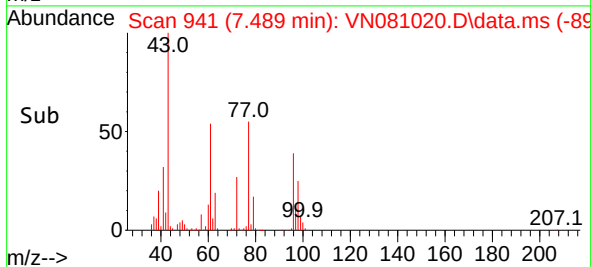
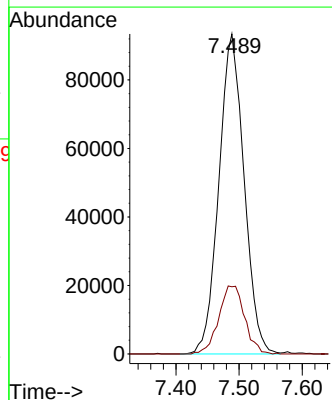
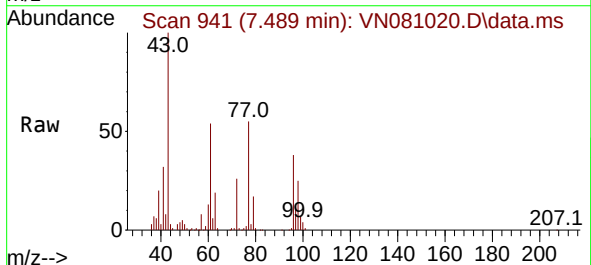
Manual Integrations
APPROVED

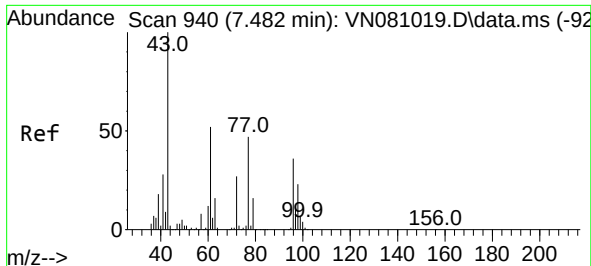
Reviewed By :John Carlone 02/15/2024
Supervised By :Mahesh Dadoda 02/15/2024



#26
2,2-Dichloropropane
Concen: 21.287 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN081020.D
Acq: 14 Feb 2024 12:37

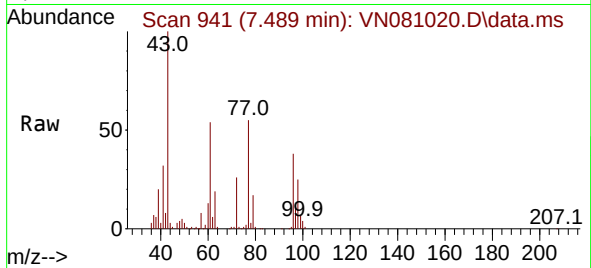
Tgt Ion: 77 Resp: 258868
Ion Ratio Lower Upper
77 100
97 21.9 11.5 34.5





#27
 cis-1,2-Dichloroethene
 Concen: 20.988 ug/l
 RT: 7.489 min Scan# 941
 Delta R.T. 0.006 min
 Lab File: VN081020.D
 Acq: 14 Feb 2024 12:37

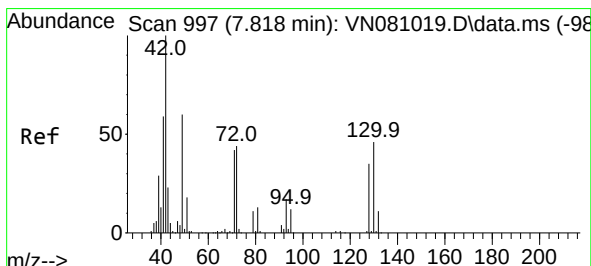
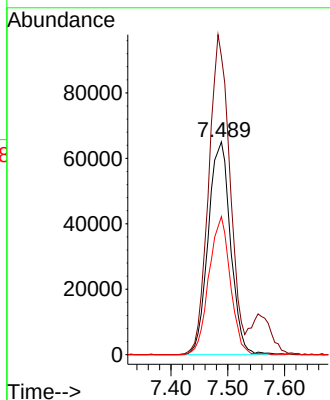
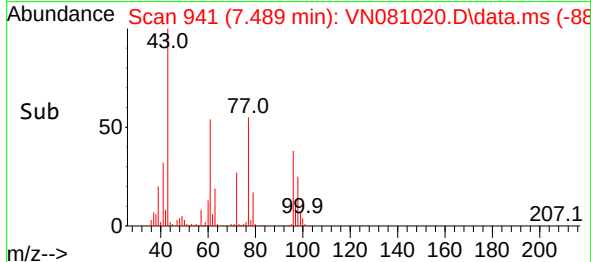
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC020



Tgt Ion: 96 Resp: 177389
 Ion Ratio Lower Upper
 96 100
 61 142.8 0.0 325.4
 98 62.2 0.0 130.4

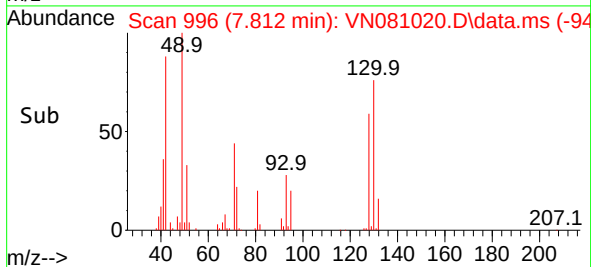
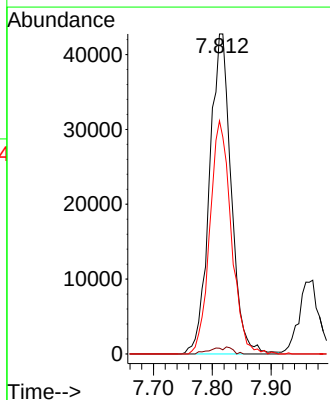
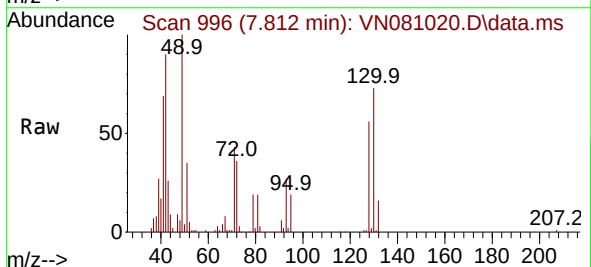
Manual Integrations
 APPROVED

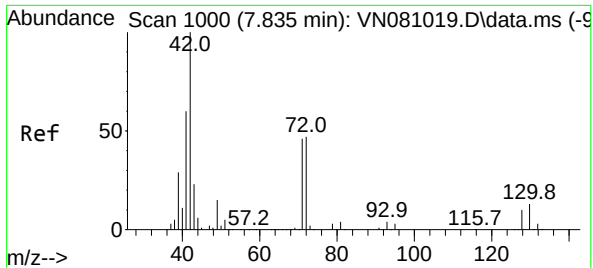
Reviewed By :John Carlone 02/15/2024
 Supervised By :Mahesh Dadoda 02/15/2024



#28
 Bromochloromethane
 Concen: 20.500 ug/l
 RT: 7.812 min Scan# 996
 Delta R.T. -0.006 min
 Lab File: VN081020.D
 Acq: 14 Feb 2024 12:37

Tgt Ion: 49 Resp: 109355
 Ion Ratio Lower Upper
 49 100
 129 1.3 0.0 1.6
 130 72.0 42.3 63.5#





#29

Tetrahydrofuran

Concen: 103.012 ug/l

RT: 7.836 min Scan# 1000

Delta R.T. 0.000 min

Lab File: VN081020.D

Acq: 14 Feb 2024 12:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Tgt Ion: 42 Resp: 31585

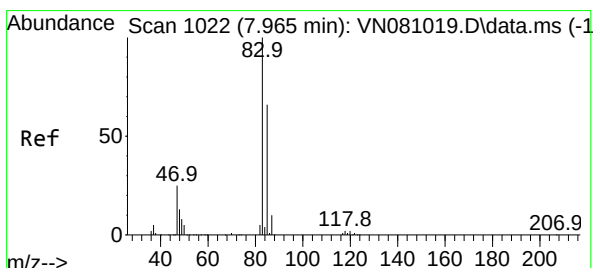
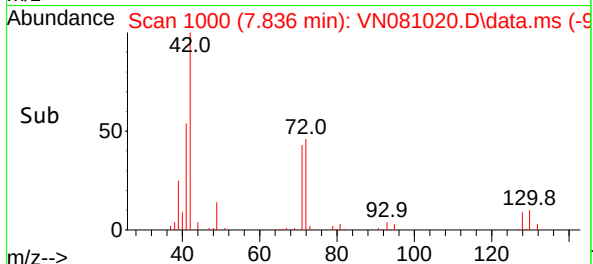
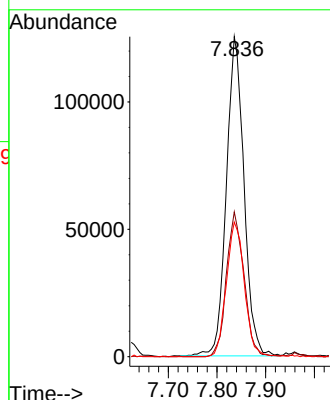
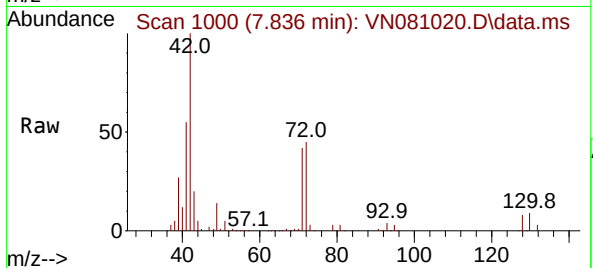
Ion	Ratio	Lower	Upper
42	100		
72	45.1	31.1	46.7
71	43.0	28.3	42.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/15/2024

Supervised By :Mahesh Dadoda 02/15/2024



#30

Chloroform

Concen: 20.656 ug/l

RT: 7.965 min Scan# 1022

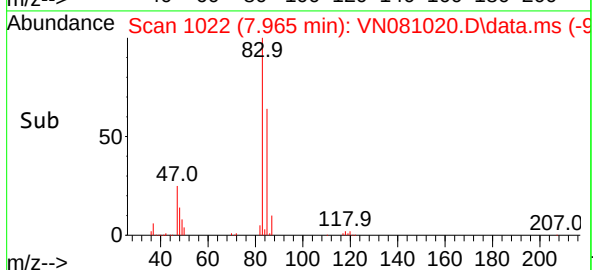
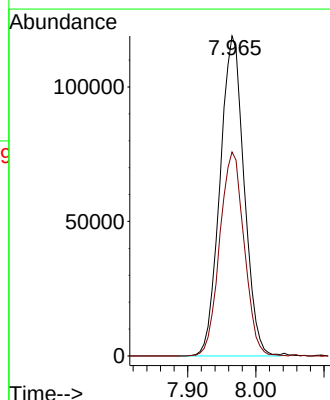
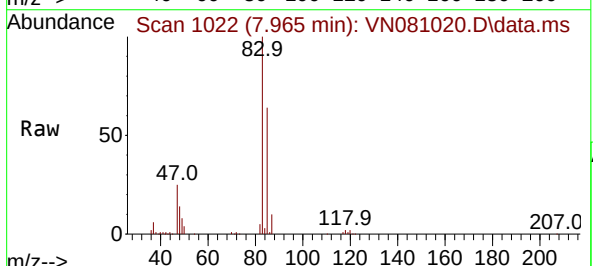
Delta R.T. 0.000 min

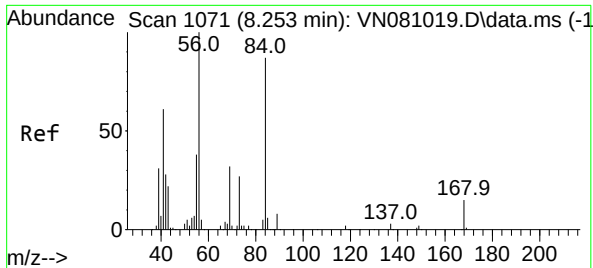
Lab File: VN081020.D

Acq: 14 Feb 2024 12:37

Tgt Ion: 83 Resp: 292908

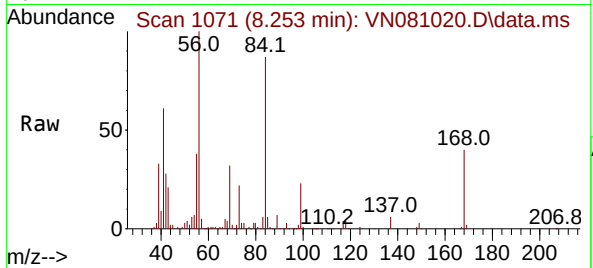
Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.0	76.6





#31
Cyclohexane
Concen: 20.021 ug/l
RT: 8.253 min Scan# 1071
Delta R.T. 0.000 min
Lab File: VN081020.D
Acq: 14 Feb 2024 12:37

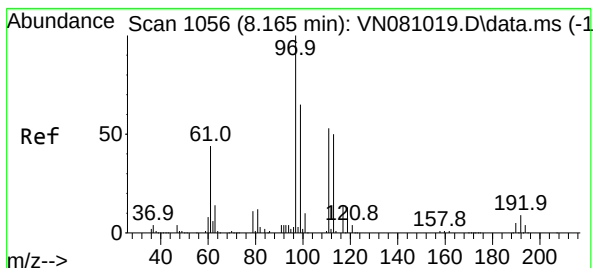
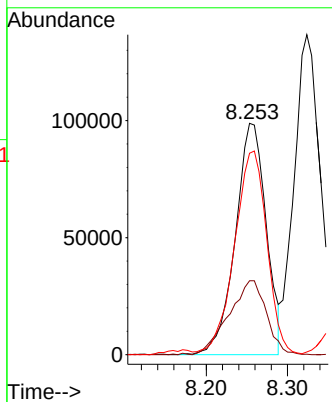
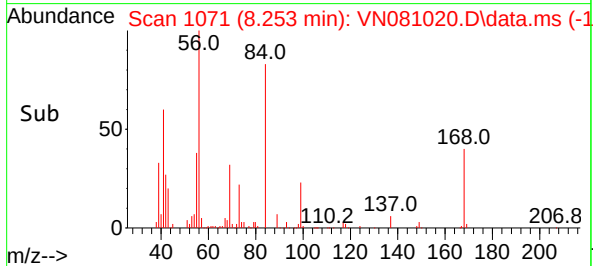
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



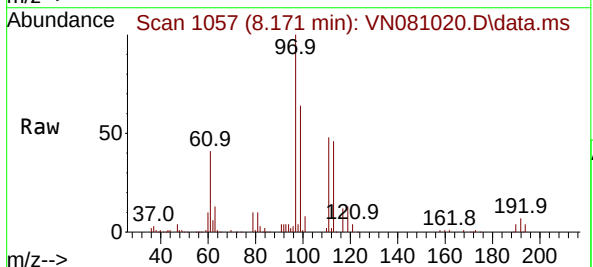
Tgt Ion: 56 Resp: 261097
Ion Ratio Lower Upper
56 100
69 32.0 20.1 30.1
84 85.7 56.9 85.3

Manual Integrations
APPROVED

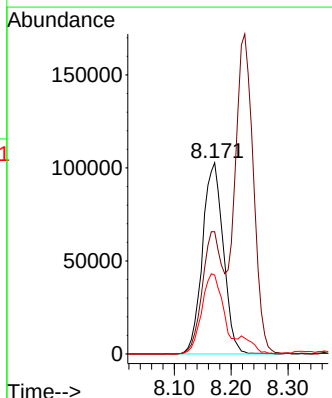
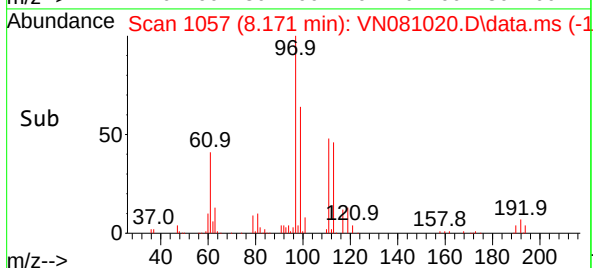
Reviewed By :John Carlone 02/15/2024
Supervised By :Mahesh Dadoda 02/15/2024

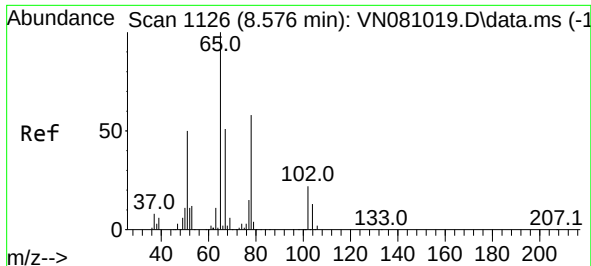


#32
1,1,1-Trichloroethane
Concen: 20.872 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN081020.D
Acq: 14 Feb 2024 12:37



Tgt Ion: 97 Resp: 261348
Ion Ratio Lower Upper
97 100
99 61.2 53.4 80.0
61 44.6 43.8 65.8





#33

1,2-Dichloroethane-d4

Concen: 19.278 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN081020.D

Acq: 14 Feb 2024 12:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Tgt Ion: 65 Resp: 144720

Ion Ratio Lower Upper

65 100

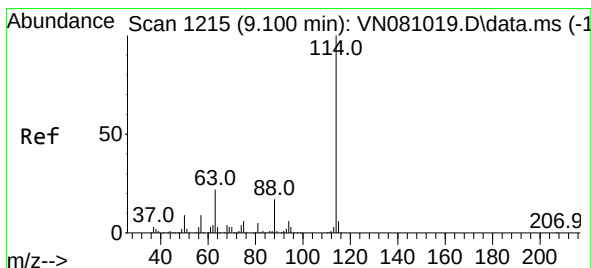
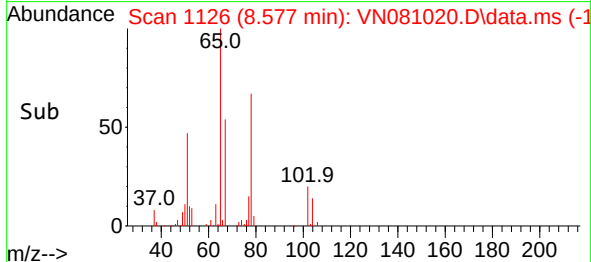
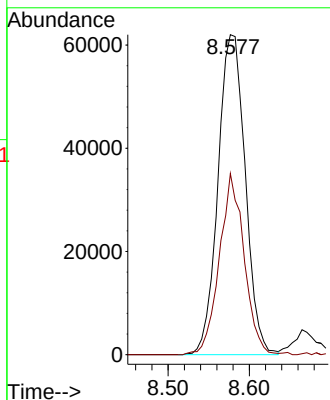
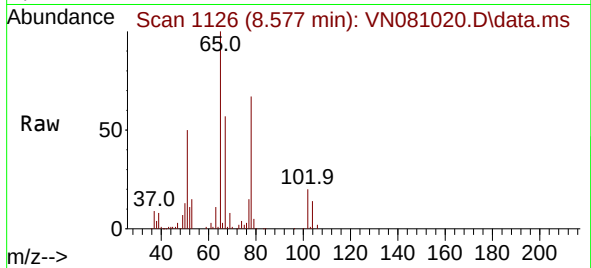
67 51.5 0.0 102.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/15/2024

Supervised By :Mahesh Dadoda 02/15/2024



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN081020.D

Acq: 14 Feb 2024 12:37

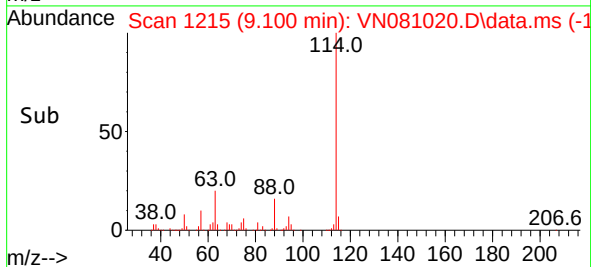
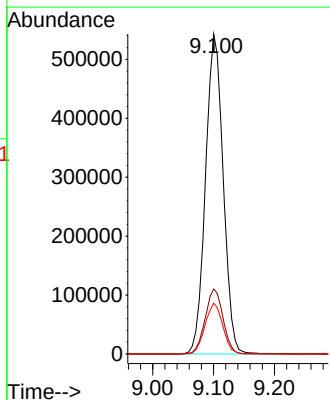
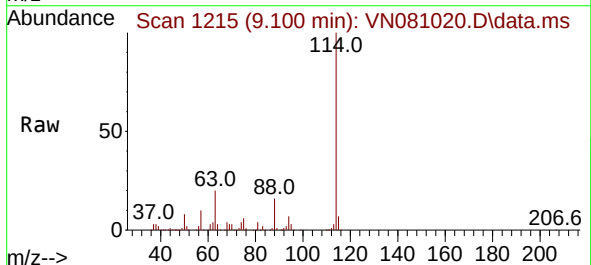
Tgt Ion:114 Resp: 1094611

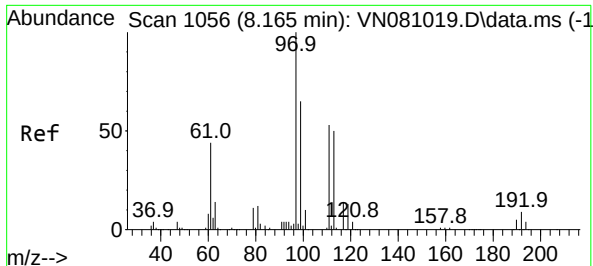
Ion Ratio Lower Upper

114 100

63 20.3 0.0 48.0

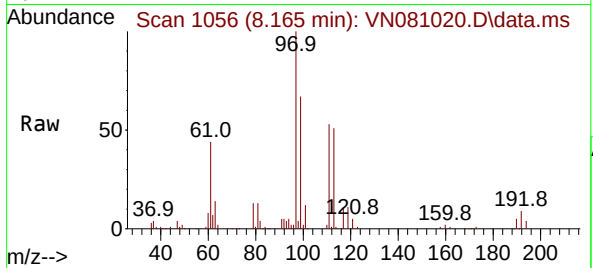
88 15.9 0.0 34.8





#35
Dibromofluoromethane
Concen: 19.418 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN081020.D
Acq: 14 Feb 2024 12:37

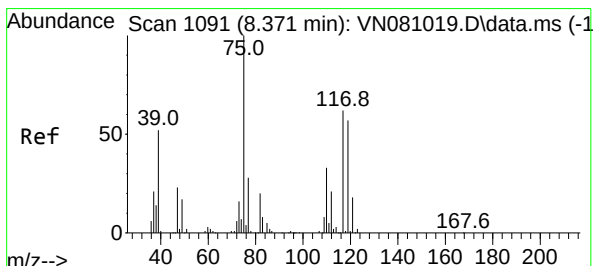
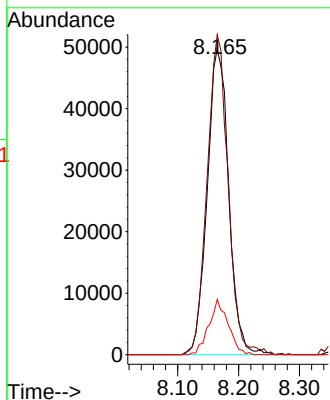
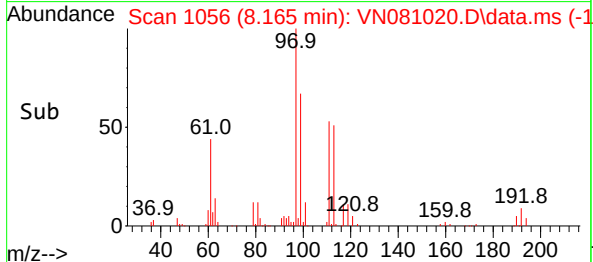
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020



Tgt Ion: 113 Resp: 12186
Ion Ratio Lower Upper
113 100
111 102.5 82.2 123.4
192 16.2 12.5 18.7

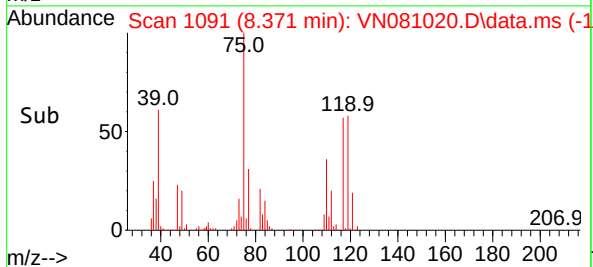
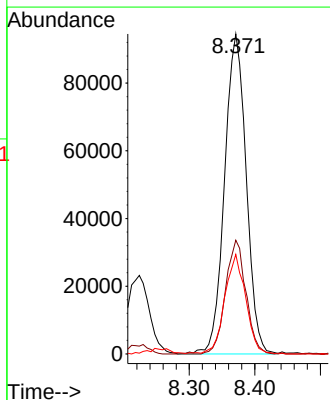
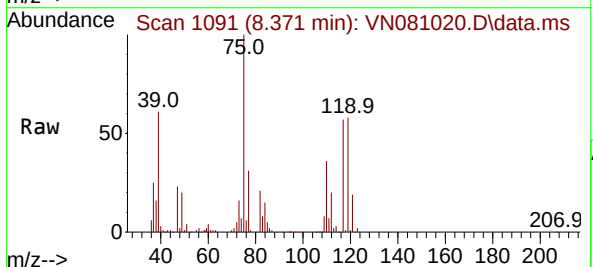
Manual Integrations
APPROVED

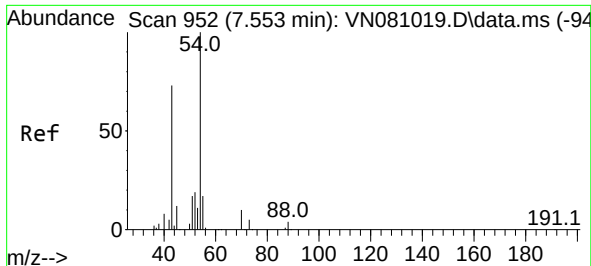
Reviewed By :John Carlone 02/15/2024
Supervised By :Mahesh Dadoda 02/15/2024



#36
1,1-Dichloropropene
Concen: 20.708 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VN081020.D
Acq: 14 Feb 2024 12:37

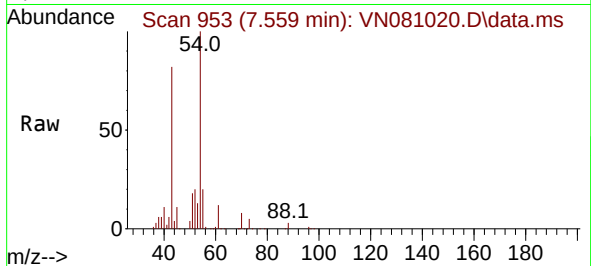
Tgt Ion: 75 Resp: 216846
Ion Ratio Lower Upper
75 100
110 33.5 16.0 48.0
77 30.2 25.8 38.6





#37
Ethyl Acetate
Concen: 21.769 ug/l
RT: 7.559 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN081020.D
Acq: 14 Feb 2024 12:37

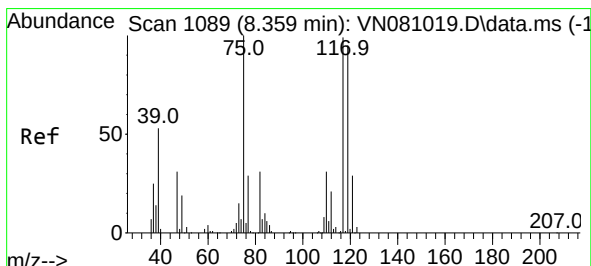
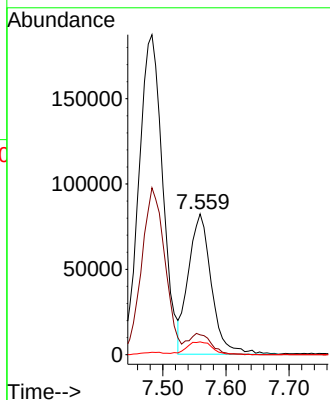
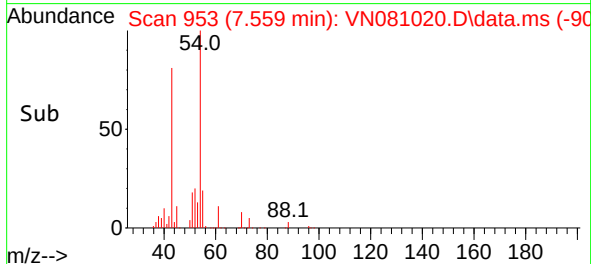
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020



Tgt Ion: 43 Resp: 20852
Ion Ratio Lower Upper
43 100
61 13.8 10.6 15.8
70 10.4 8.0 12.0

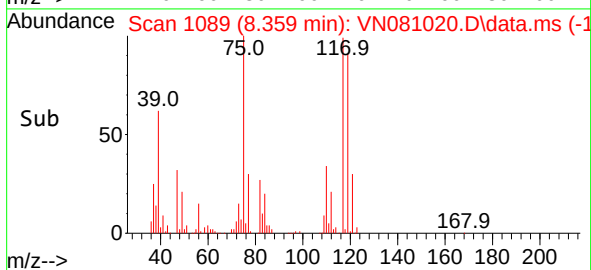
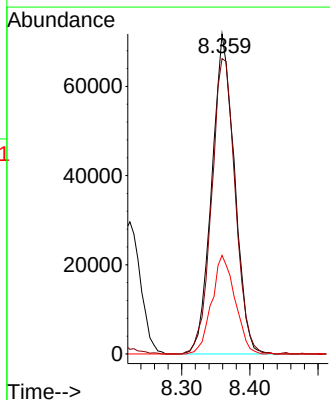
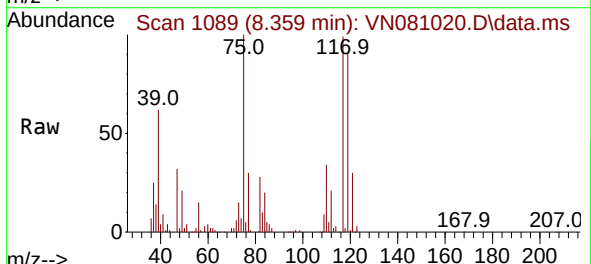
Manual Integrations
APPROVED

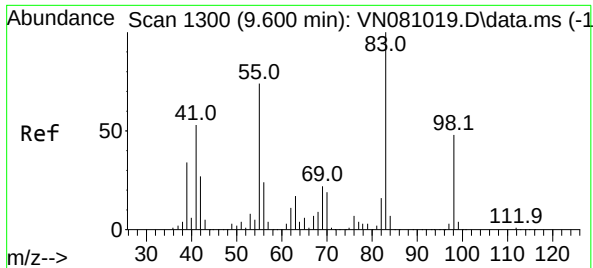
Reviewed By :John Carlone 02/15/2024
Supervised By :Mahesh Dadoda 02/15/2024



#38
Carbon Tetrachloride
Concen: 21.760 ug/l
RT: 8.359 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VN081020.D
Acq: 14 Feb 2024 12:37

Tgt Ion:117 Resp: 166787
Ion Ratio Lower Upper
117 100
119 92.3 73.4 110.2
121 30.8 24.4 36.6





#39

Methylcyclohexane

Concen: 20.973 ug/l

RT: 9.600 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN081020.D

Acq: 14 Feb 2024 12:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Tgt Ion: 83 Resp: 27019

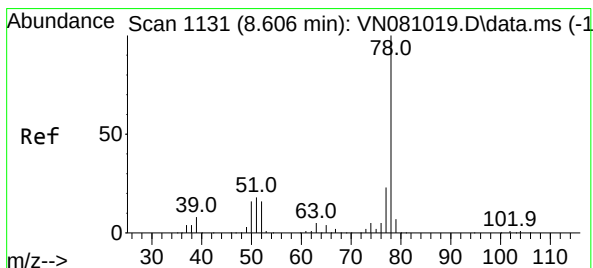
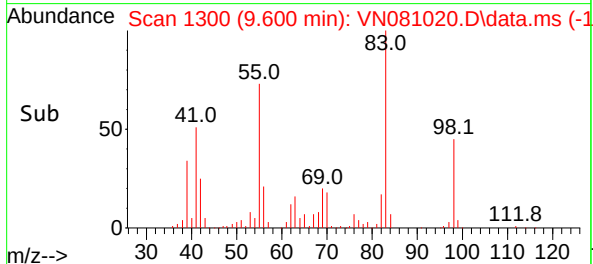
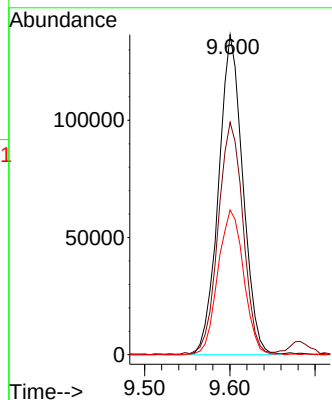
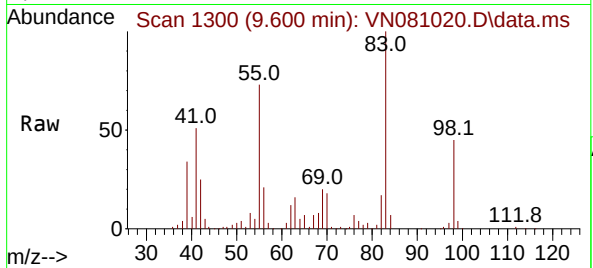
Ion	Ratio	Lower	Upper
83	100		
55	72.4	65.7	98.5
98	45.2	33.8	50.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/15/2024

Supervised By :Mahesh Dadoda 02/15/2024



#40

Benzene

Concen: 20.726 ug/l

RT: 8.606 min Scan# 1131

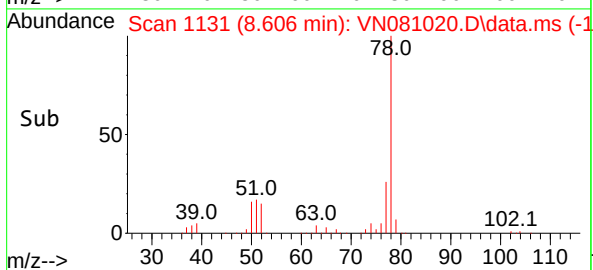
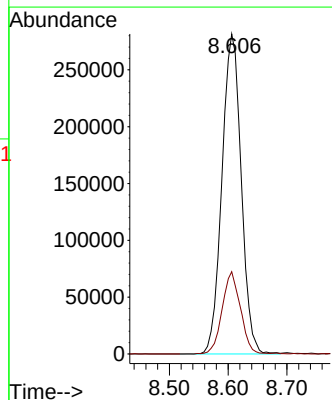
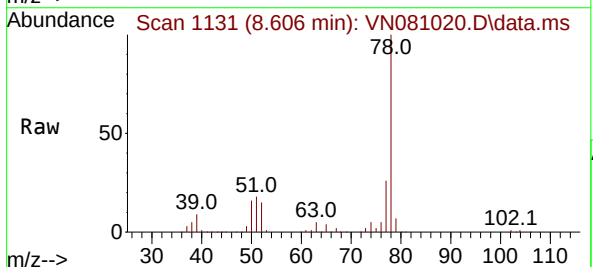
Delta R.T. 0.000 min

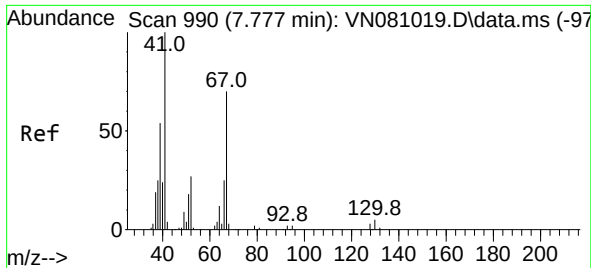
Lab File: VN081020.D

Acq: 14 Feb 2024 12:37

Tgt Ion: 78 Resp: 641789

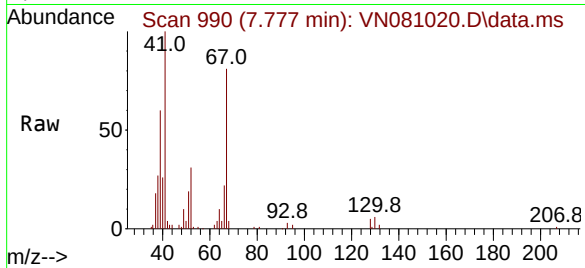
Ion	Ratio	Lower	Upper
78	100		
77	25.7	20.4	30.6





#41
Methacrylonitrile
Concen: 20.387 ug/l
RT: 7.777 min Scan# 990
Delta R.T. 0.000 min
Lab File: VN081020.D
Acq: 14 Feb 2024 12:37

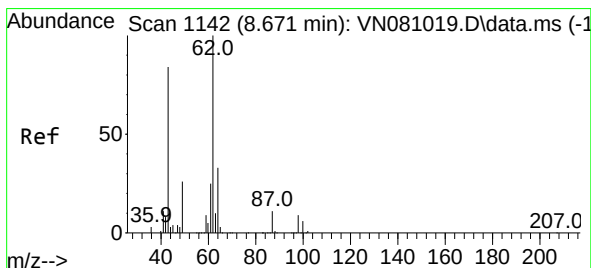
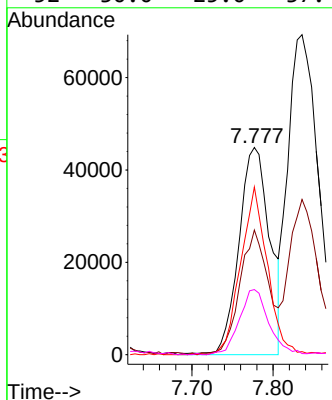
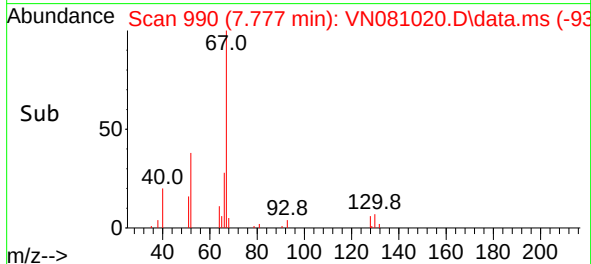
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



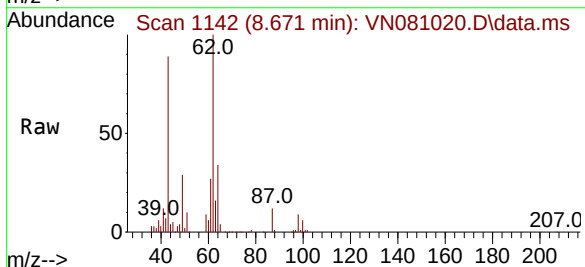
Tgt Ion:	41	Ratio	100	Lower	Upper
39	56.3	48.4	72.6		
67	70.5	56.8	85.2		
52	30.0	25.0	37.4		

Manual Integrations
APPROVED

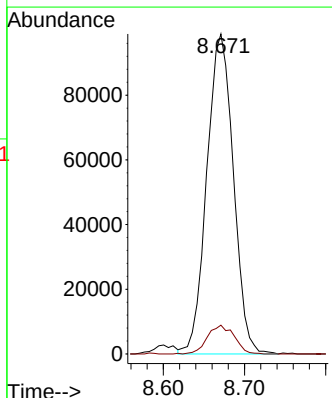
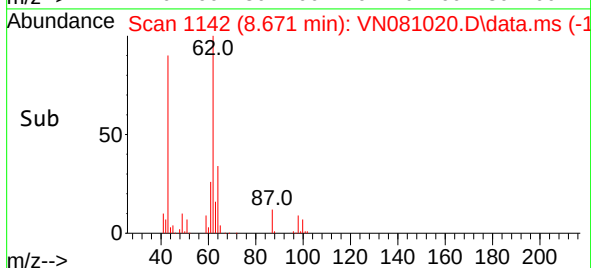
Reviewed By :John Carlone 02/15/2024
Supervised By :Mahesh Dadoda 02/15/2024

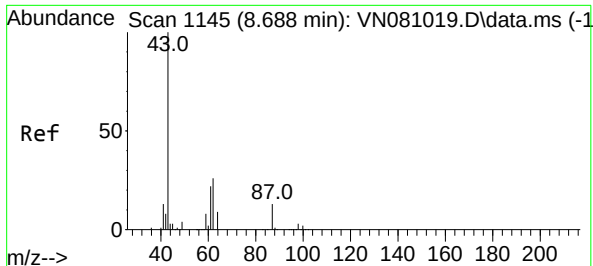


#42
1,2-Dichloroethane
Concen: 20.479 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. 0.000 min
Lab File: VN081020.D
Acq: 14 Feb 2024 12:37



Tgt Ion:	62	Ratio	100	Lower	Upper
98	9.1	0.0	18.0		





#43

Isopropyl Acetate

Concen: 20.249 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN081020.D

Acq: 14 Feb 2024 12:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

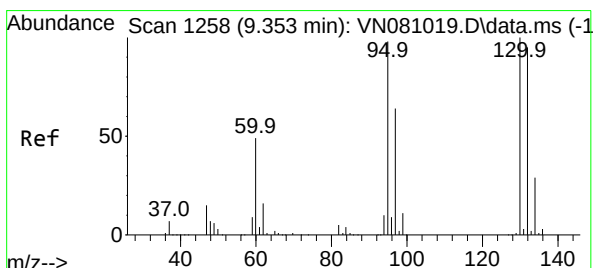
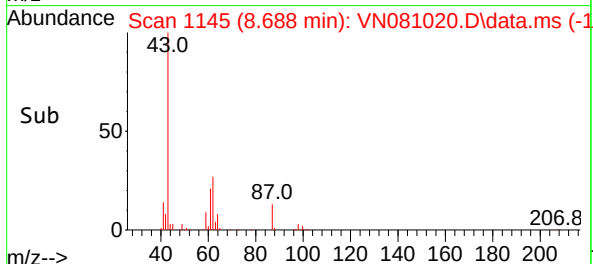
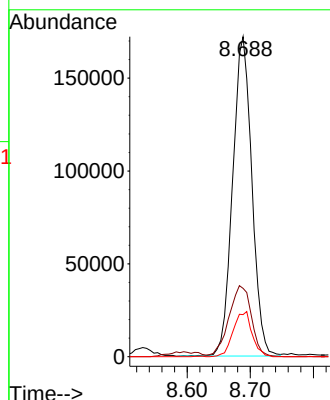
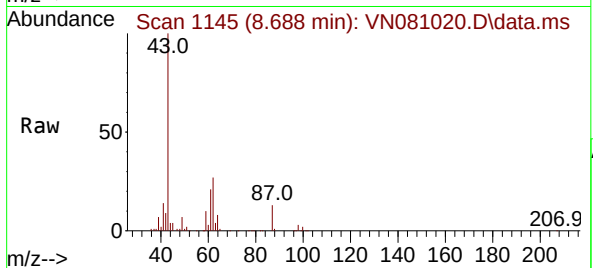
Tgt Ion: 43	Resp: 36339
Ion Ratio	Lower Upper
43 100	
61 26.1	19.9 29.9
87 13.9	9.0 13.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/15/2024

Supervised By :Mahesh Dadoda 02/15/2024



#44

Trichloroethene

Concen: 20.556 ug/l

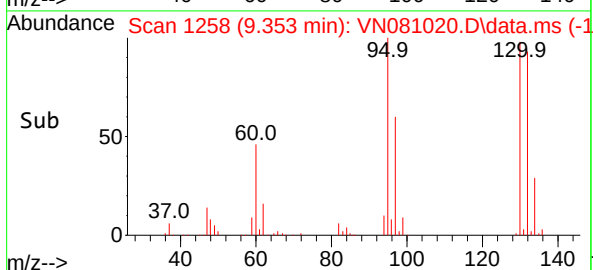
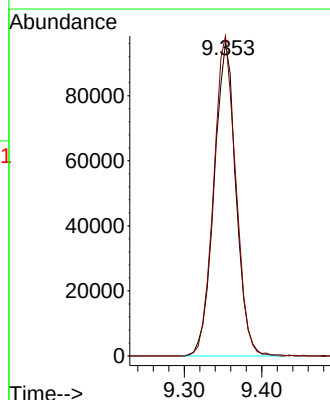
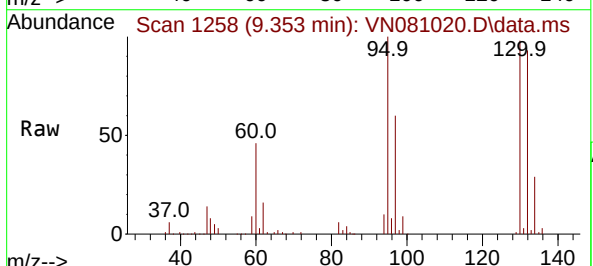
RT: 9.353 min Scan# 1258

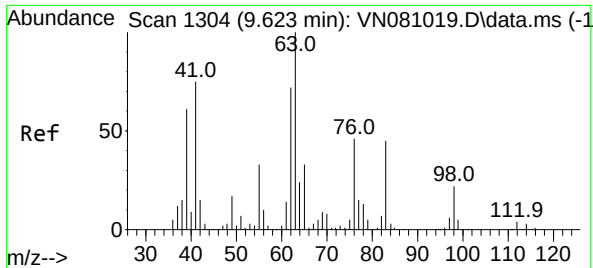
Delta R.T. 0.000 min

Lab File: VN081020.D

Acq: 14 Feb 2024 12:37

Tgt Ion:130	Resp: 188537
Ion Ratio	Lower Upper
130 100	
95 102.2	0.0 210.4





#45

1,2-Dichloropropane

Concen: 21.203 ug/l

RT: 9.618 min Scan# 1303

Delta R.T. -0.006 min

Lab File: VN081020.D

Acq: 14 Feb 2024 12:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 63 Resp: 162410

Ion Ratio Lower Upper

63 100

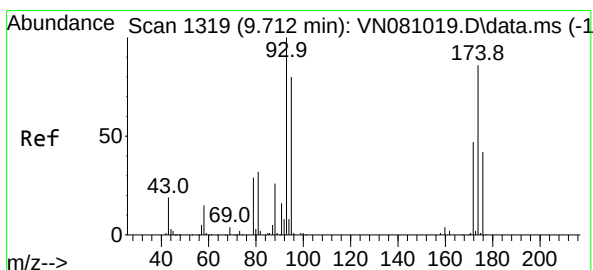
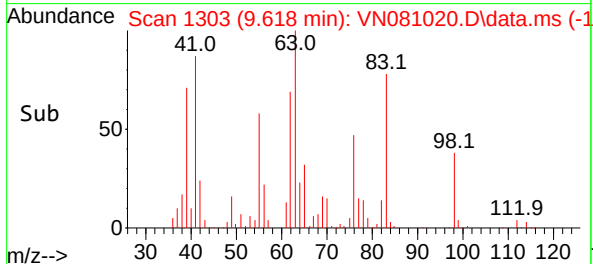
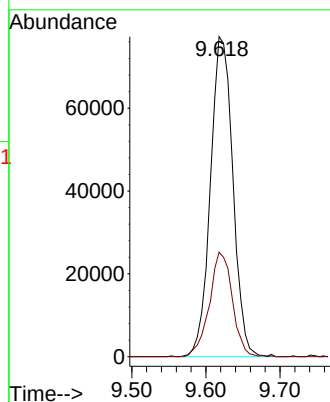
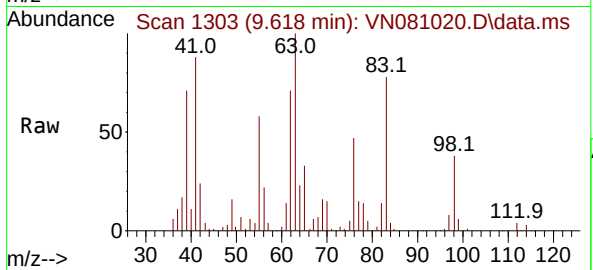
65 32.6 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/15/2024

Supervised By :Mahesh Dadoda 02/15/2024



#46

Dibromomethane

Concen: 20.749 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.006 min

Lab File: VN081020.D

Acq: 14 Feb 2024 12:37

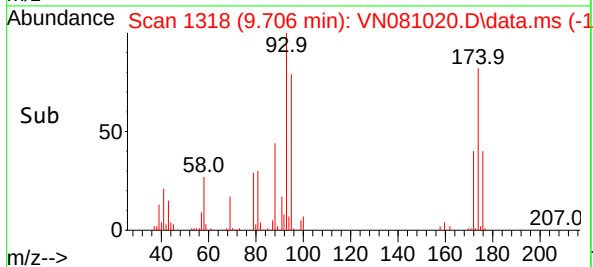
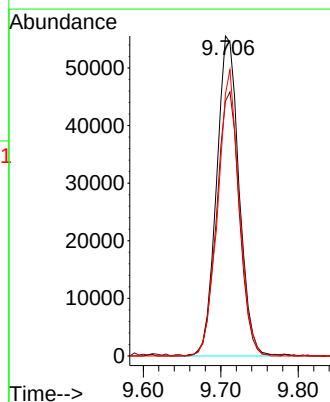
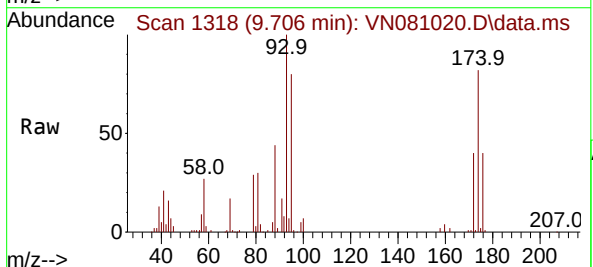
Tgt Ion: 93 Resp: 112189

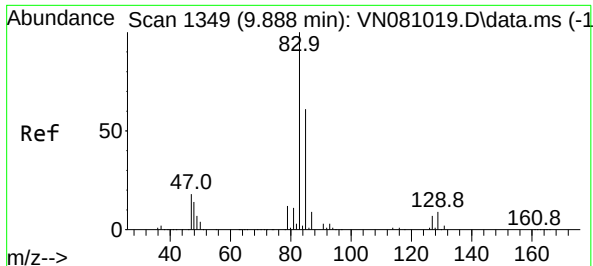
Ion Ratio Lower Upper

93 100

95 83.6 68.1 102.1

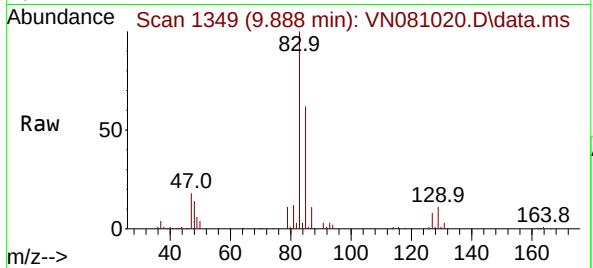
174 85.4 57.2 85.8





#47
Bromodichloromethane
Concen: 21.039 ug/l
RT: 9.888 min Scan# 1349
Delta R.T. 0.000 min
Lab File: VN081020.D
Acq: 14 Feb 2024 12:37

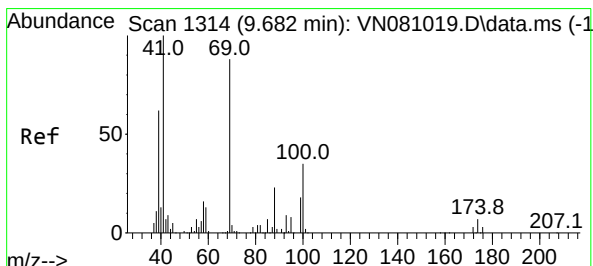
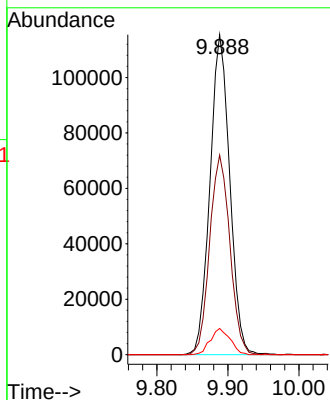
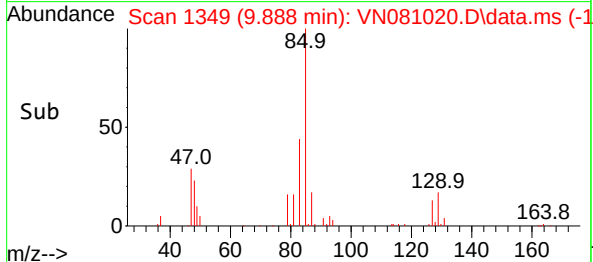
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



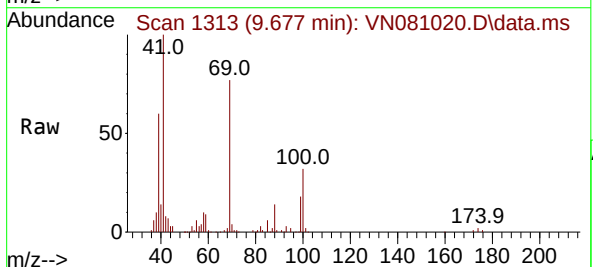
Tgt Ion: 83 Resp: 222950
Ion Ratio Lower Upper
83 100
85 62.3 52.3 78.5
127 8.2 4.6 7.0

Manual Integrations
APPROVED

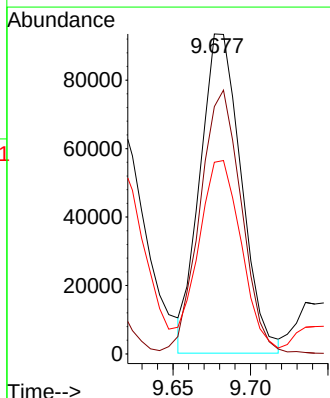
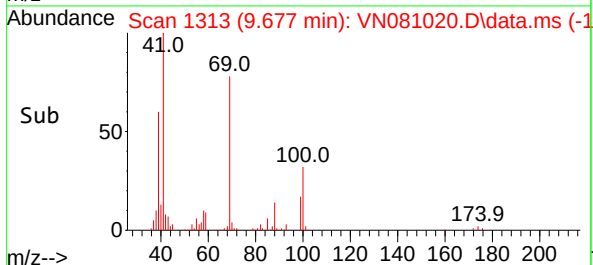
Reviewed By :John Carlone 02/15/2024
Supervised By :Mahesh Dadoda 02/15/2024

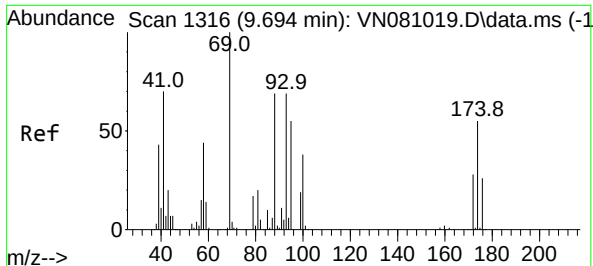


#48
Methyl methacrylate
Concen: 20.398 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.005 min
Lab File: VN081020.D
Acq: 14 Feb 2024 12:37



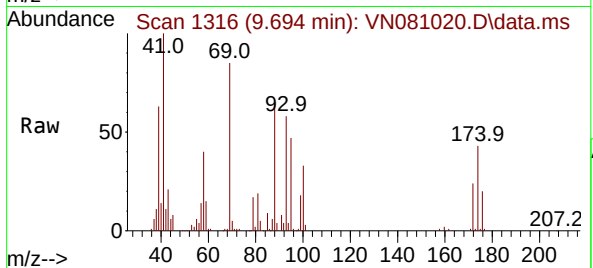
Tgt Ion: 41 Resp: 172354
Ion Ratio Lower Upper
41 100
69 83.4 62.2 93.2
39 64.1 47.6 71.4





#49
1,4-Dioxane
Concen: 451.601 ug/l
RT: 9.694 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN081020.D
Acq: 14 Feb 2024 12:37

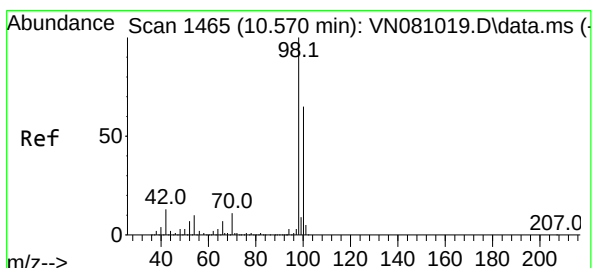
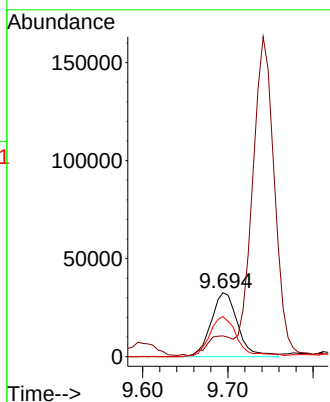
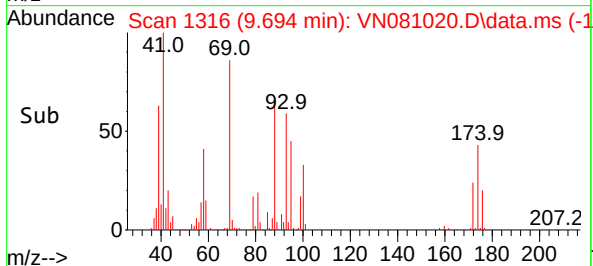
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020



Tgt Ion: 88 Resp: 71074
Ion Ratio Lower Upper
88 100
43 29.5 30.1 45.1
58 65.0 63.9 95.9

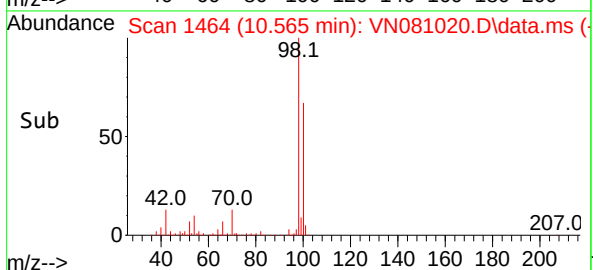
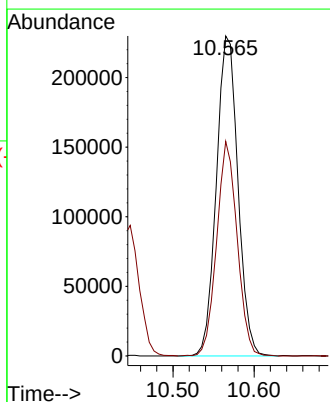
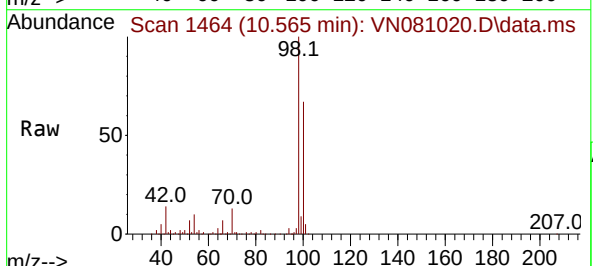
Manual Integrations
APPROVED

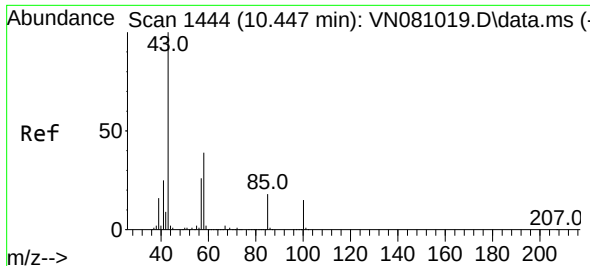
Reviewed By :John Carlone 02/15/2024
Supervised By :Mahesh Dadoda 02/15/2024



#50
Toluene-d8
Concen: 19.161 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN081020.D
Acq: 14 Feb 2024 12:37

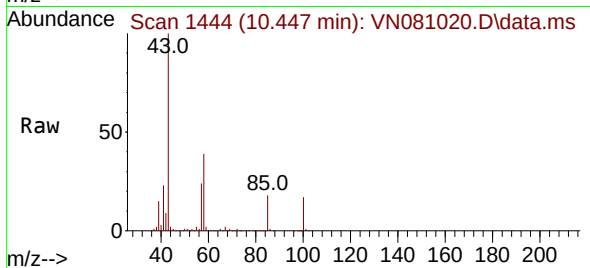
Tgt Ion: 98 Resp: 424098
Ion Ratio Lower Upper
98 100
100 63.8 51.4 77.0





#51
4-Methyl-2-Pentanone
Concen: 104.970 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN081020.D
Acq: 14 Feb 2024 12:37

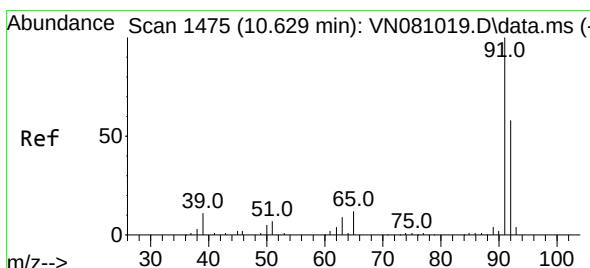
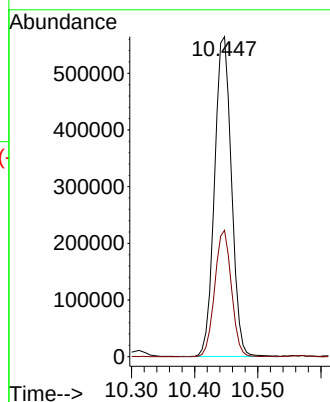
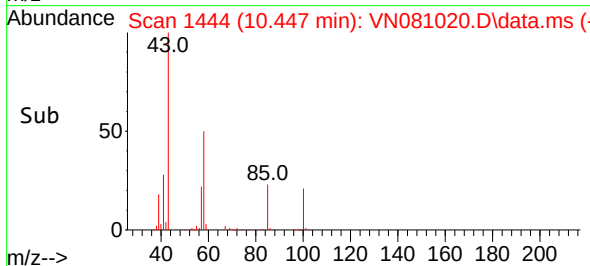
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020



Tgt Ion: 43 Resp: 1050578
Ion Ratio Lower Upper
43 100
58 38.9 29.4 44.0

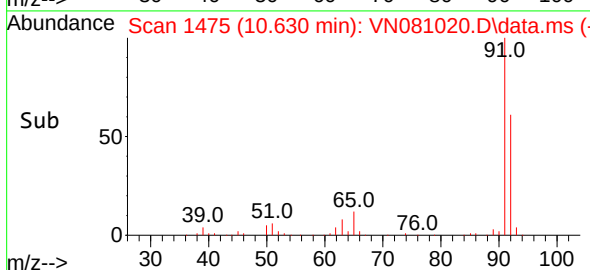
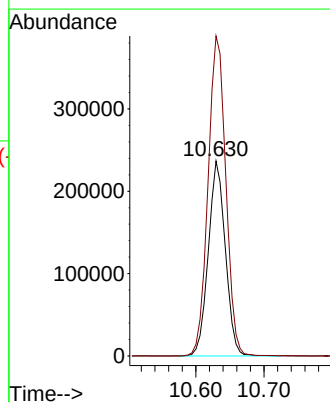
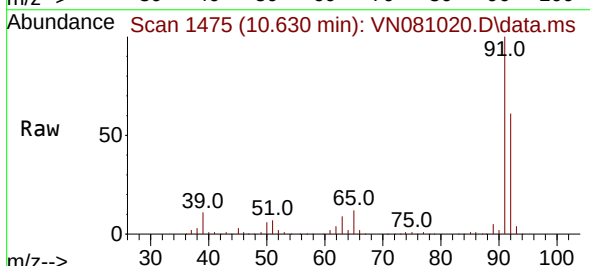
Manual Integrations
APPROVED

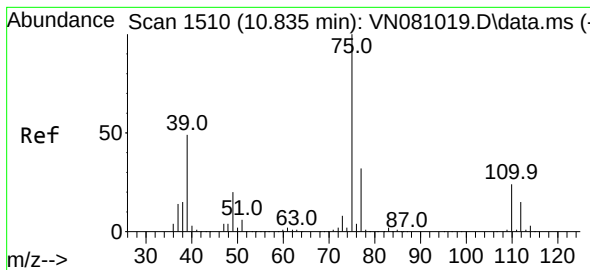
Reviewed By :John Carlone 02/15/2024
Supervised By :Mahesh Dadoda 02/15/2024



#52
Toluene
Concen: 21.270 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN081020.D
Acq: 14 Feb 2024 12:37

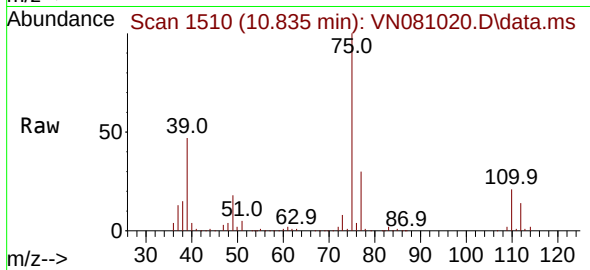
Tgt Ion: 92 Resp: 411424
Ion Ratio Lower Upper
92 100
91 171.7 139.4 209.0





#53
t-1,3-Dichloropropene
Concen: 21.080 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. 0.000 min
Lab File: VN081020.D
Acq: 14 Feb 2024 12:37

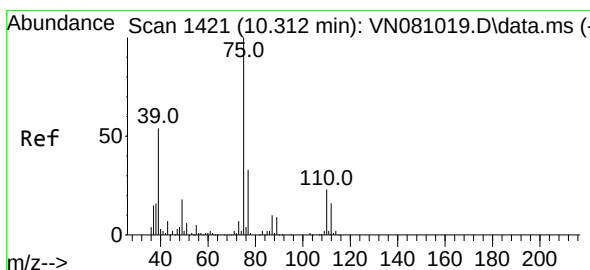
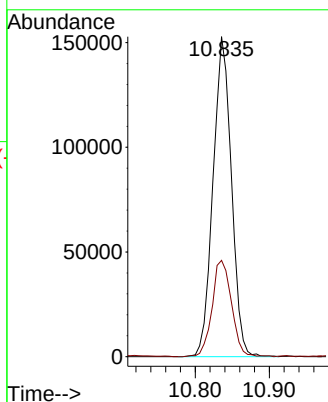
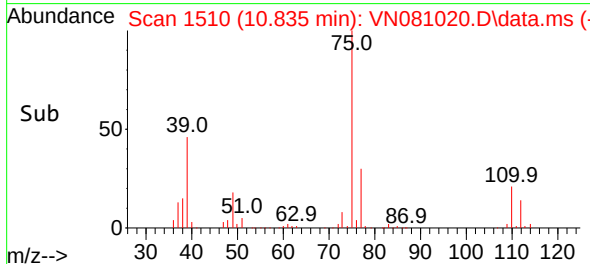
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



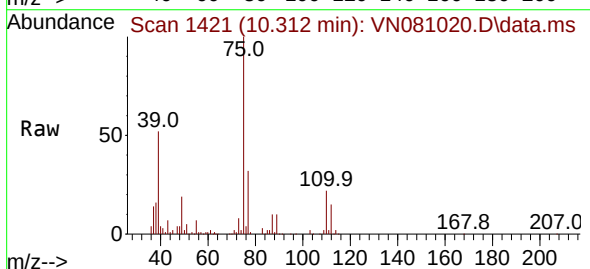
Tgt Ion: 75 Resp: 263170
Ion Ratio Lower Upper
75 100
77 30.1 25.5 38.3

Manual Integrations
APPROVED

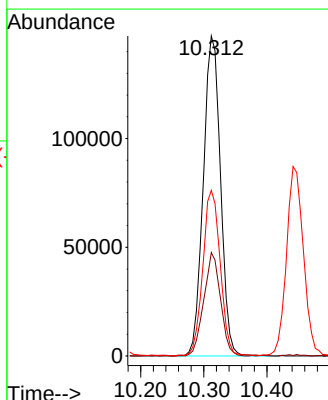
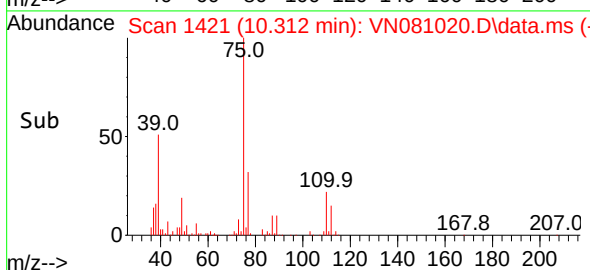
Reviewed By :John Carlone 02/15/2024
Supervised By :Mahesh Dadoda 02/15/2024

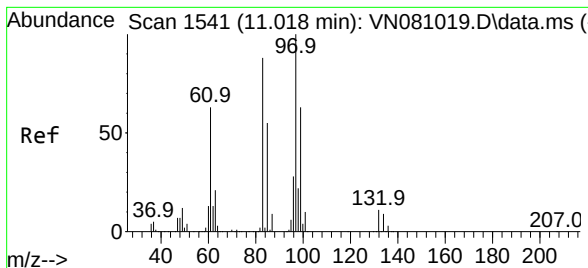


#54
cis-1,3-Dichloropropene
Concen: 21.084 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. 0.000 min
Lab File: VN081020.D
Acq: 14 Feb 2024 12:37



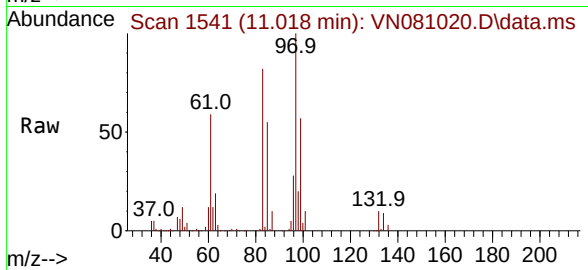
Tgt Ion: 75 Resp: 278378
Ion Ratio Lower Upper
75 100
77 32.3 23.3 34.9
39 51.5 44.6 66.8





#55
1,1,2-Trichloroethane
Concen: 21.411 ug/l
RT: 11.018 min Scan# 1541
Delta R.T. 0.000 min
Lab File: VN081020.D
Acq: 14 Feb 2024 12:37

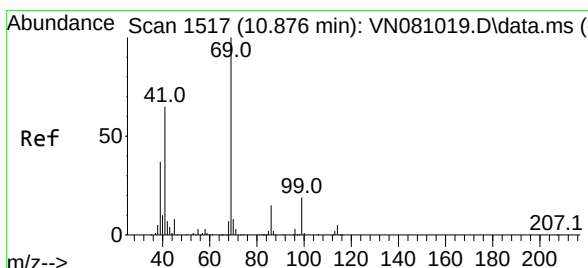
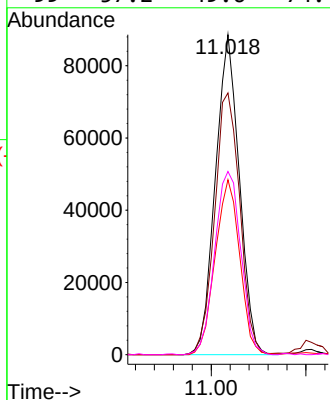
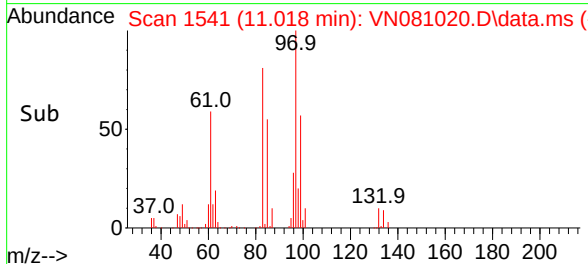
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020



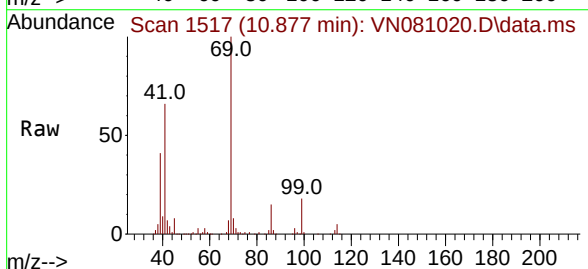
Tgt Ion: 97 Resp: 155740
Ion Ratio Lower Upper
97 100
83 81.8 72.9 109.3
85 54.6 50.2 75.2
99 57.2 49.6 74.4

Manual Integrations
APPROVED

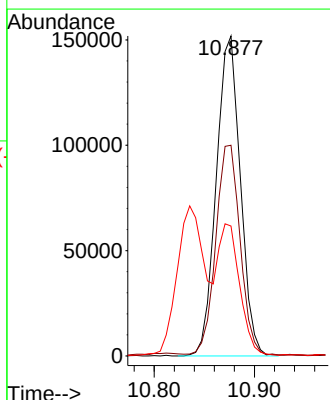
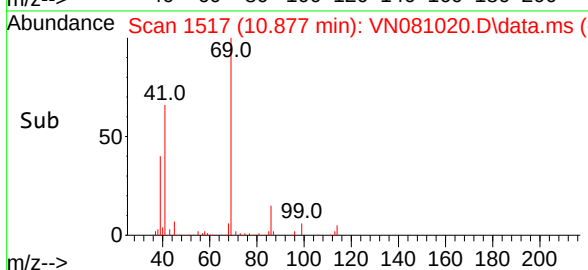
Reviewed By :John Carlone 02/15/2024
Supervised By :Mahesh Dadoda 02/15/2024

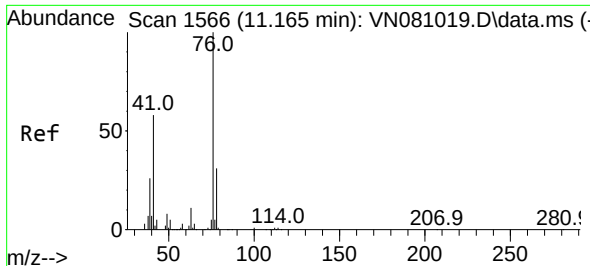


#56
Ethyl methacrylate
Concen: 21.268 ug/l
RT: 10.877 min Scan# 1517
Delta R.T. 0.000 min
Lab File: VN081020.D
Acq: 14 Feb 2024 12:37



Tgt Ion: 69 Resp: 253298
Ion Ratio Lower Upper
69 100
41 66.3 61.0 91.6
39 36.1 31.8 47.6





#57

1,3-Dichloropropane

Concen: 20.768 ug/l

RT: 11.165 min Scan# 1566

Delta R.T. 0.000 min

Lab File: VN081020.D

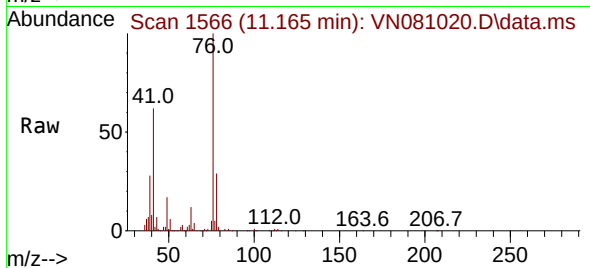
Acq: 14 Feb 2024 12:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020



Tgt Ion: 76 Resp: 269868

Ion Ratio Lower Upper

76 100

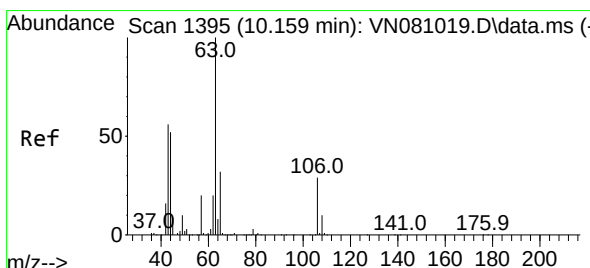
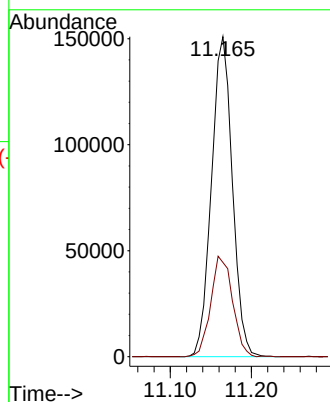
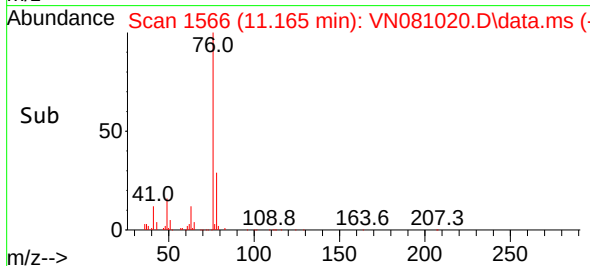
78 32.8 25.5 38.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/15/2024

Supervised By :Mahesh Dadoda 02/15/2024



#58

2-Chloroethyl Vinyl ether

Concen: 102.880 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. 0.000 min

Lab File: VN081020.D

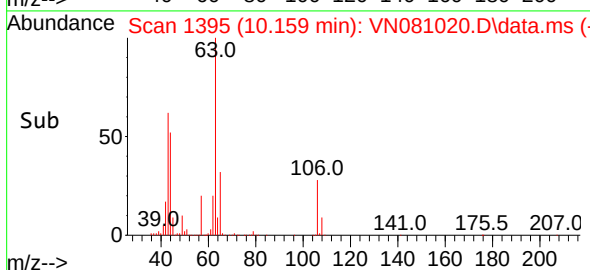
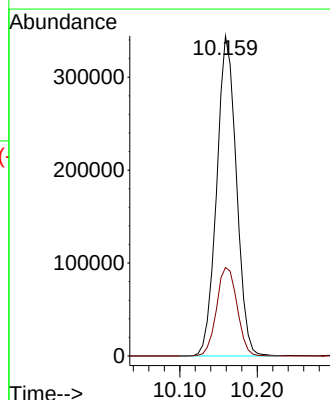
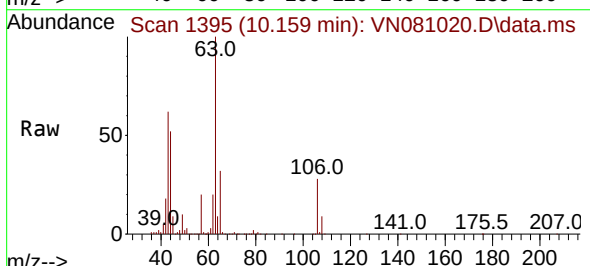
Acq: 14 Feb 2024 12:37

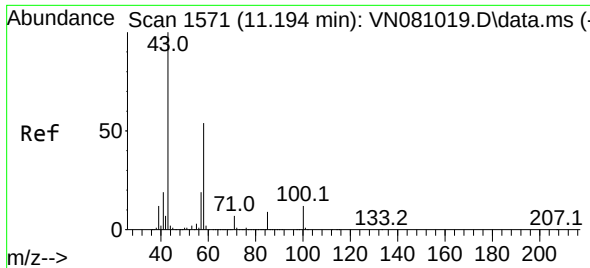
Tgt Ion: 63 Resp: 607994

Ion Ratio Lower Upper

63 100

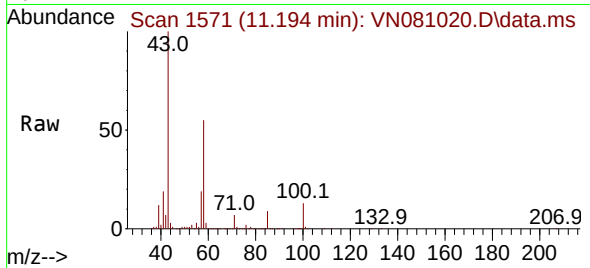
106 28.8 18.6 28.0#





#59
2-Hexanone
Concen: 105.810 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.000 min
Lab File: VN081020.D
Acq: 14 Feb 2024 12:37

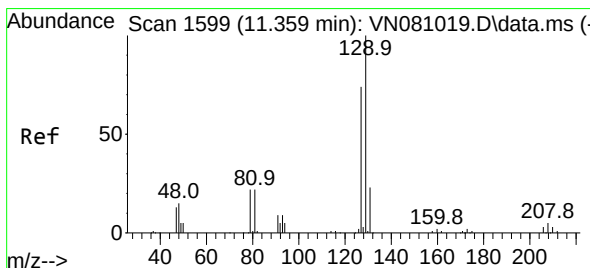
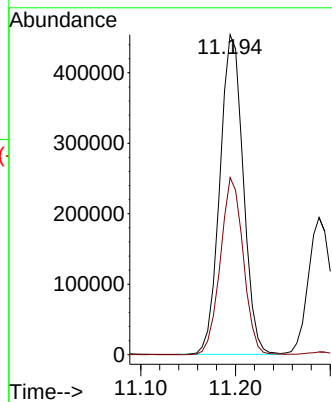
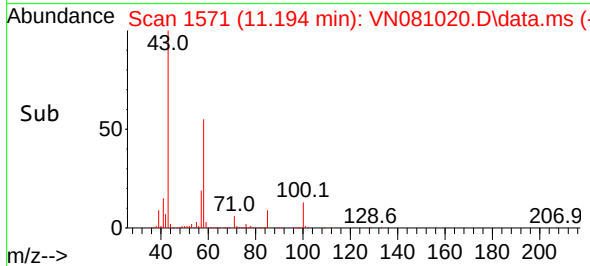
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020



Tgt Ion: 43 Resp: 777739
Ion Ratio Lower Upper
43 100
58 54.3 25.9 77.8

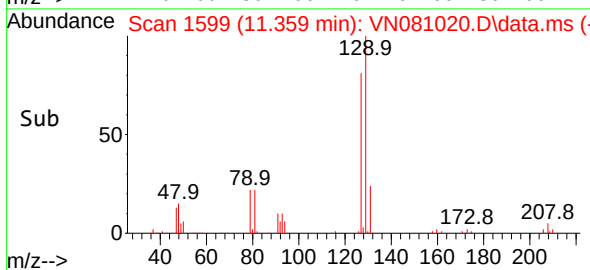
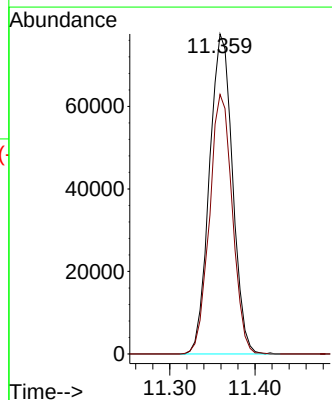
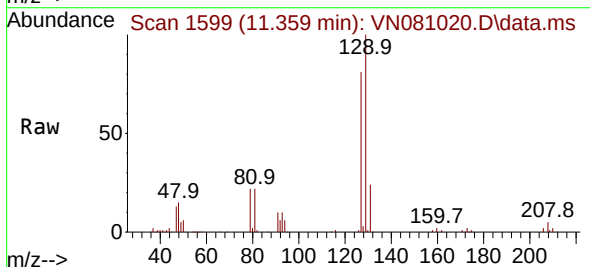
Manual Integrations
APPROVED

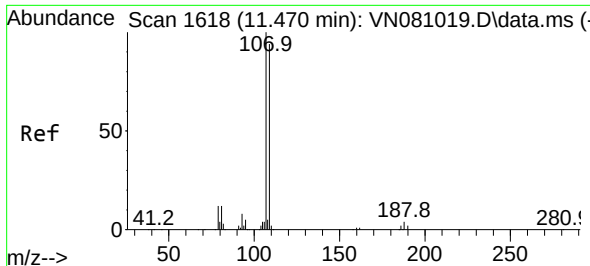
Reviewed By :John Carlone 02/15/2024
Supervised By :Mahesh Dadoda 02/15/2024



#60
Dibromochloromethane
Concen: 21.172 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. 0.000 min
Lab File: VN081020.D
Acq: 14 Feb 2024 12:37

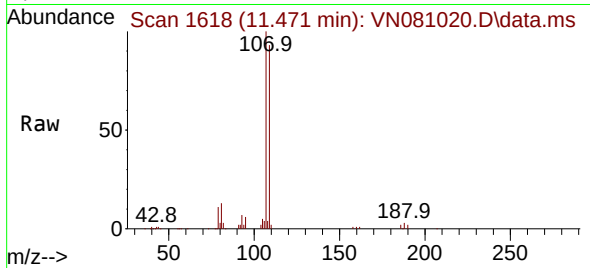
Tgt Ion:129 Resp: 146441
Ion Ratio Lower Upper
129 100
127 80.0 39.4 118.2





#61
1,2-Dibromoethane
Concen: 20.963 ug/l
RT: 11.471 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VN081020.D
Acq: 14 Feb 2024 12:37

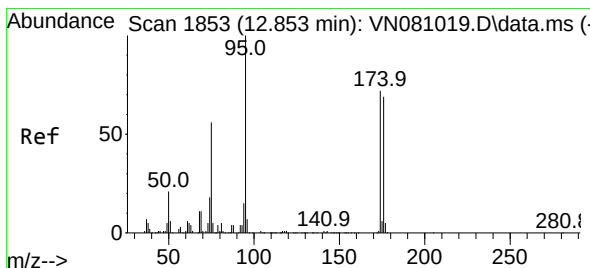
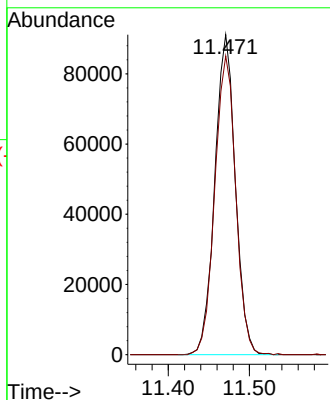
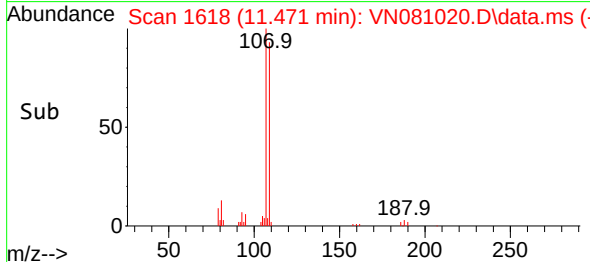
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020



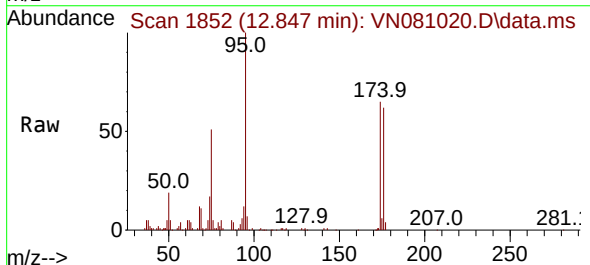
Tgt Ion:107 Resp: 16033
Ion Ratio Lower Upper
107 100
109 95.5 73.4 110.2

Manual Integrations
APPROVED

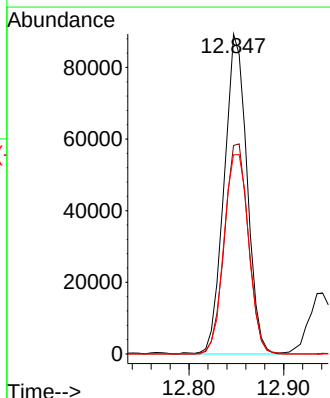
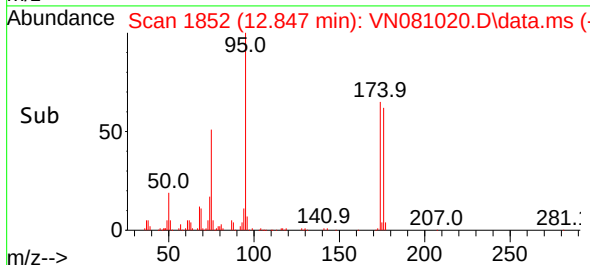
Reviewed By :John Carlone 02/15/2024
Supervised By :Mahesh Dadoda 02/15/2024

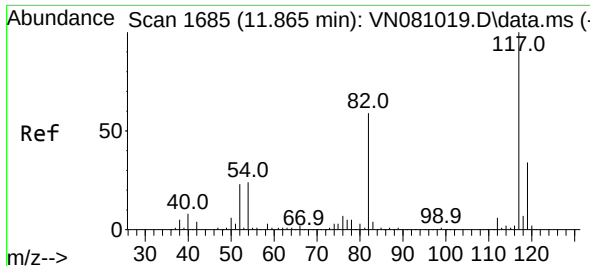


#62
4-Bromofluorobenzene
Concen: 19.899 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.006 min
Lab File: VN081020.D
Acq: 14 Feb 2024 12:37



Tgt Ion: 95 Resp: 149797
Ion Ratio Lower Upper
95 100
174 68.5 0.0 120.4
176 67.5 0.0 121.0





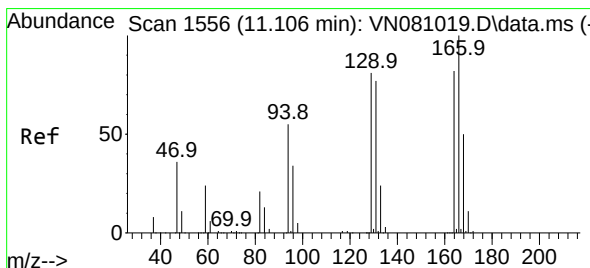
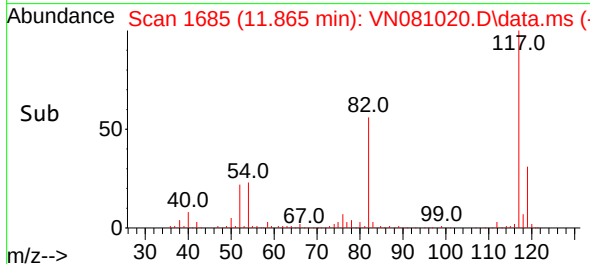
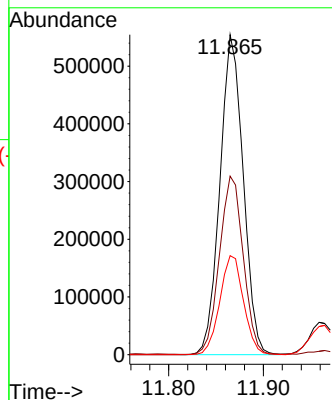
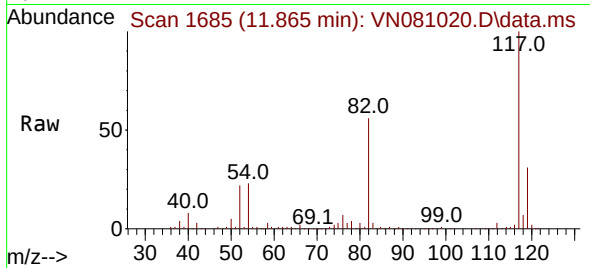
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN081020.D
Acq: 14 Feb 2024 12:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion:117 Resp: 94733
Ion Ratio Lower Upper
117 100
82 55.7 52.7 79.1
119 30.9 25.3 37.9

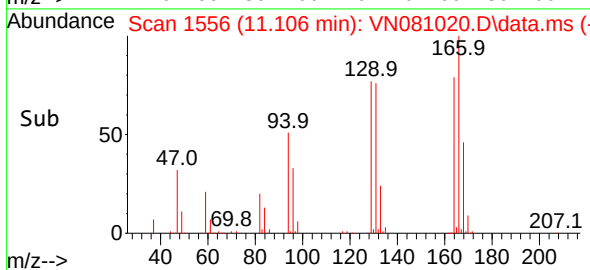
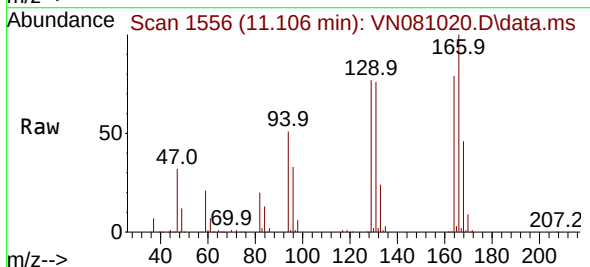
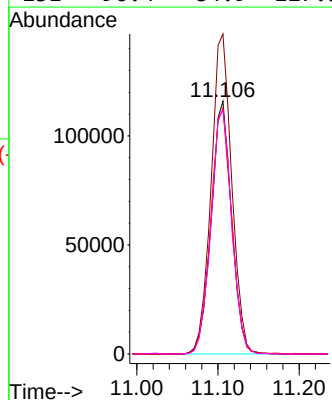
Manual Integrations
APPROVED

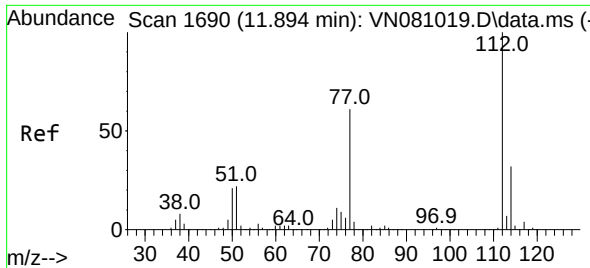
Reviewed By :John Carlone 02/15/2024
Supervised By :Mahesh Dadoda 02/15/2024



#64
Tetrachloroethene
Concen: 20.897 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.000 min
Lab File: VN081020.D
Acq: 14 Feb 2024 12:37

Tgt Ion:164 Resp: 201820
Ion Ratio Lower Upper
164 100
166 126.7 105.8 158.6
129 97.3 89.6 134.4
131 96.4 84.9 127.3





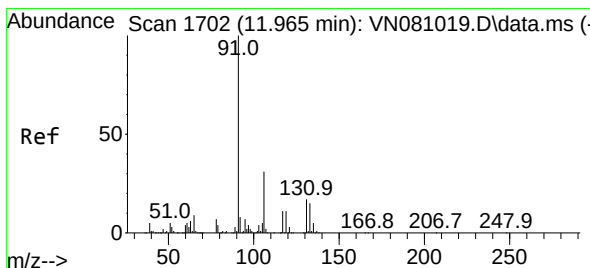
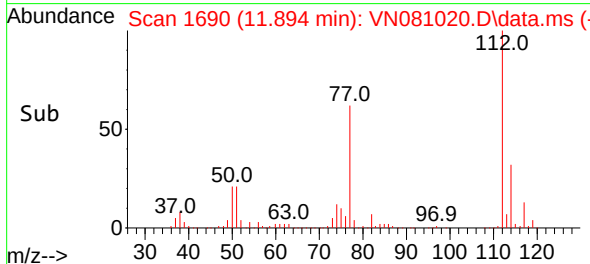
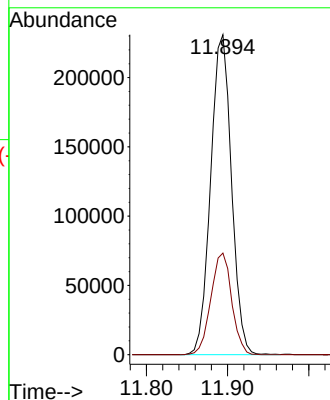
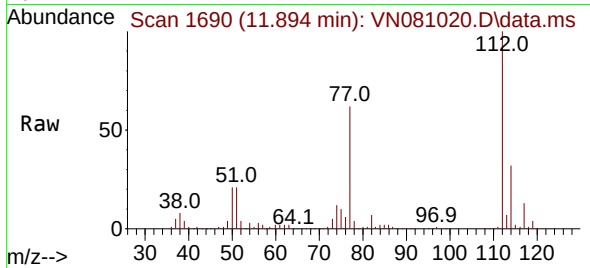
#65
Chlorobenzene
Concen: 20.681 ug/l
RT: 11.894 min Scan# 1101
Delta R.T. 0.000 min
Lab File: VN081020.D
Acq: 14 Feb 2024 12:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion:112 Resp: 410820
Ion Ratio Lower Upper
112 100
114 31.8 23.7 35.5

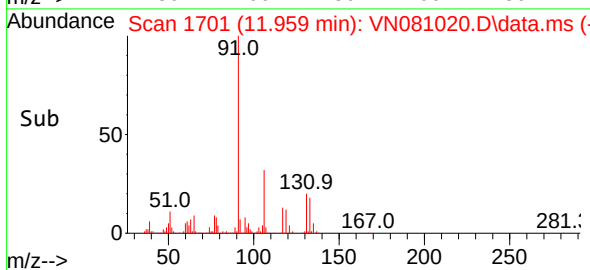
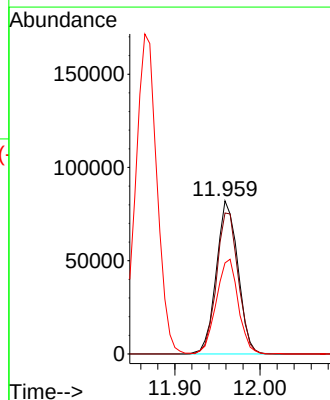
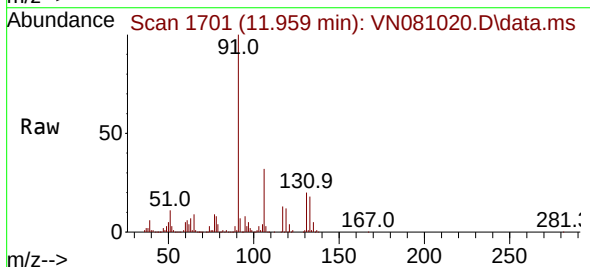
Manual Integrations
APPROVED

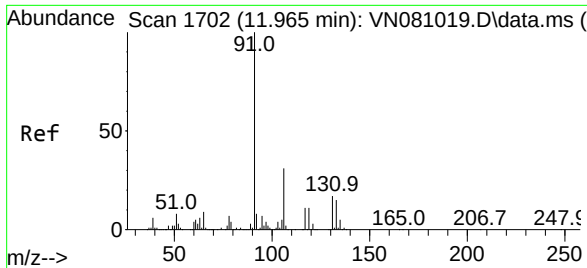
Reviewed By :John Carlone 02/15/2024
Supervised By :Mahesh Dadoda 02/15/2024



#66
1,1,1,2-Tetrachloroethane
Concen: 21.131 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN081020.D
Acq: 14 Feb 2024 12:37

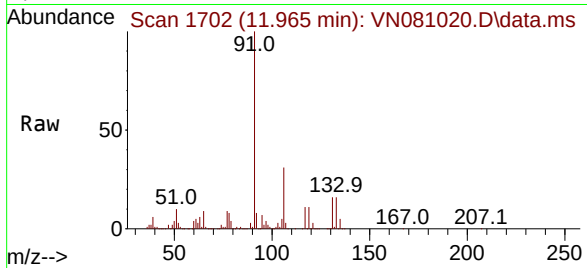
Tgt Ion:131 Resp: 144514
Ion Ratio Lower Upper
131 100
133 93.0 46.8 140.3
119 63.2 34.6 103.9





#67
Ethyl Benzene
Concen: 21.225 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN081020.D
Acq: 14 Feb 2024 12:37

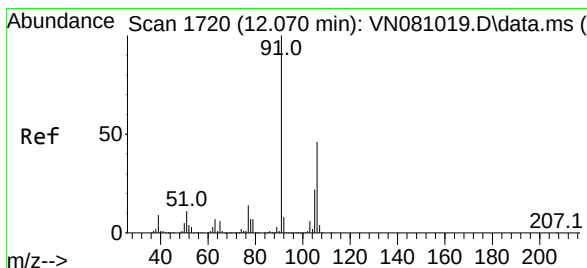
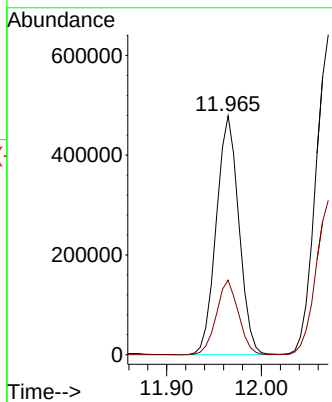
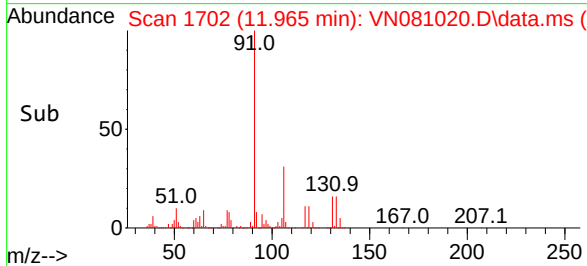
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



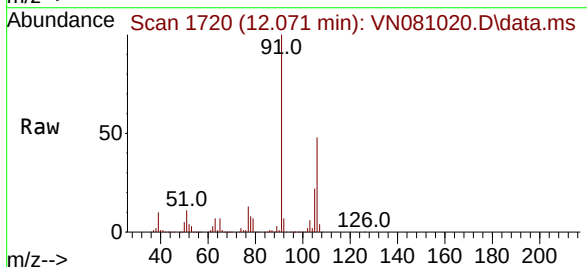
Tgt Ion: 91 Resp: 794884
Ion Ratio Lower Upper
91 100
106 31.2 23.8 35.6

Manual Integrations
APPROVED

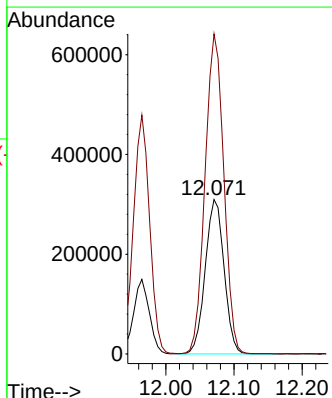
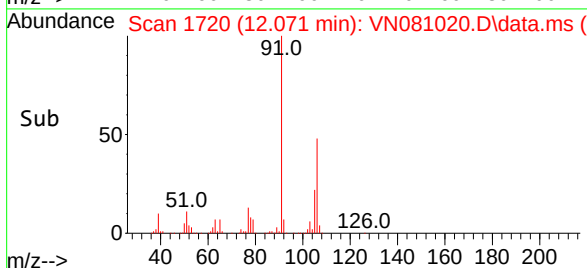
Reviewed By :John Carlone 02/15/2024
Supervised By :Mahesh Dadoda 02/15/2024

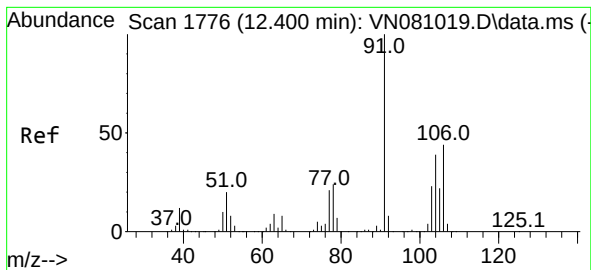


#68
m/p-Xylenes
Concen: 43.083 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN081020.D
Acq: 14 Feb 2024 12:37



Tgt Ion:106 Resp: 594998
Ion Ratio Lower Upper
106 100
91 206.3 169.0 253.6





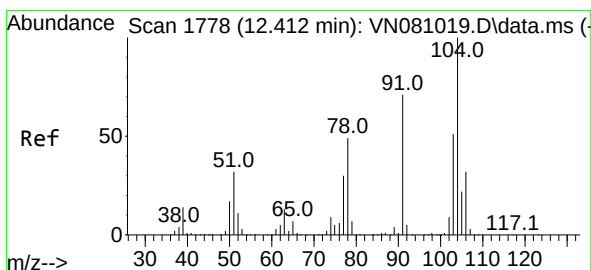
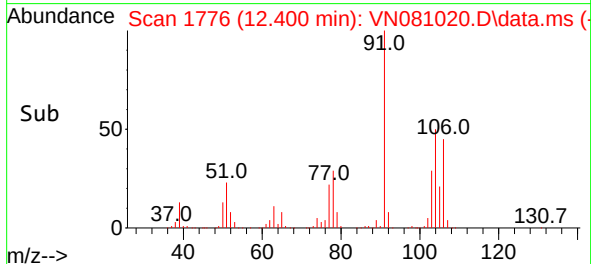
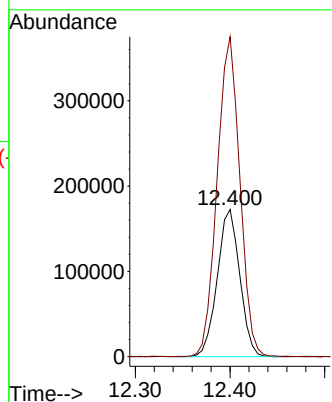
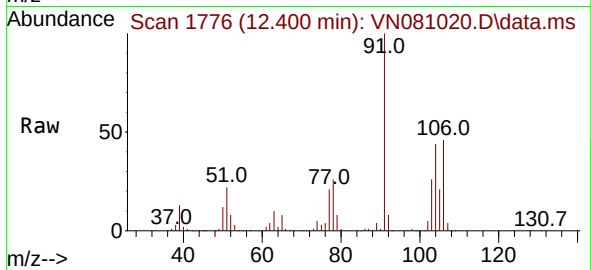
#69
o-Xylene
Concen: 21.238 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN081020.D
Acq: 14 Feb 2024 12:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion:106 Resp: 284460
Ion Ratio Lower Upper
106 100
91 219.5 112.1 336.3

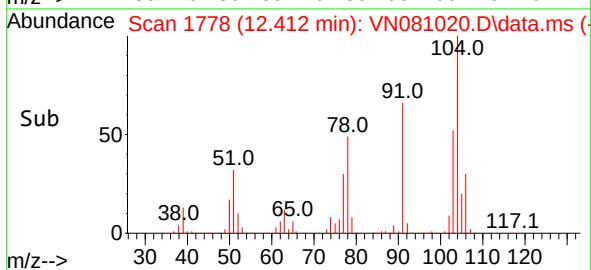
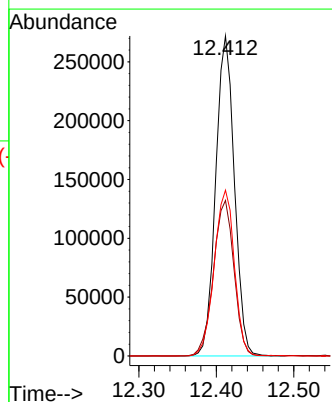
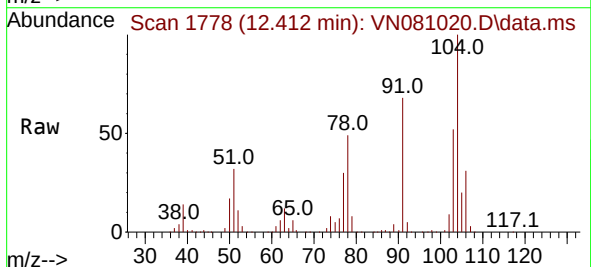
Manual Integrations
APPROVED

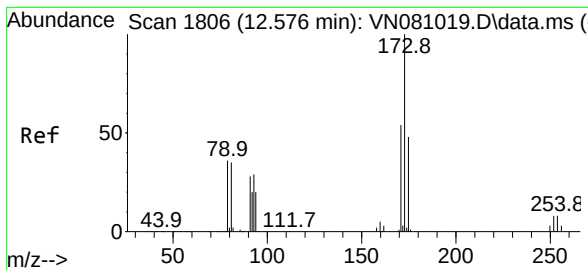
Reviewed By :John Carlone 02/15/2024
Supervised By :Mahesh Dadoda 02/15/2024



#70
Styrene
Concen: 21.339 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VN081020.D
Acq: 14 Feb 2024 12:37

Tgt Ion:104 Resp: 455546
Ion Ratio Lower Upper
104 100
78 53.4 43.8 65.8
103 55.8 44.2 66.2





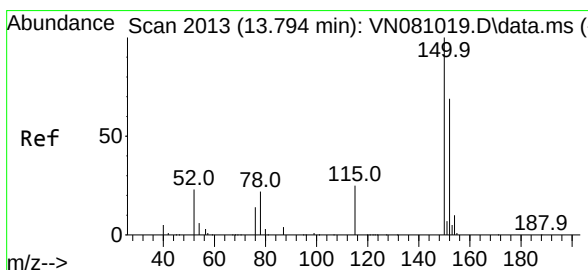
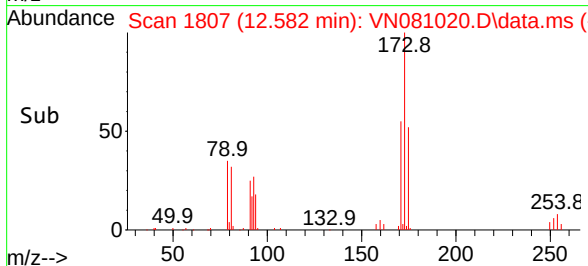
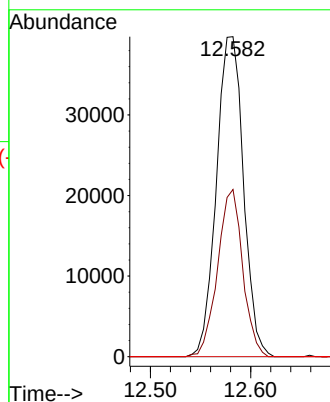
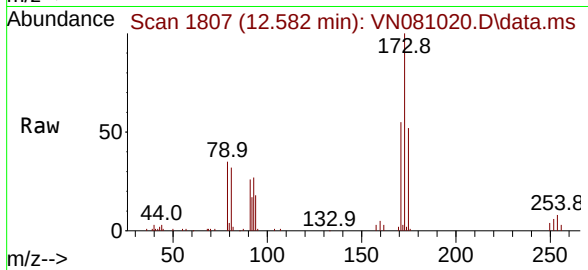
#71
Bromoform
Concen: 21.403 ug/l
RT: 12.582 min Scan# 1807
Delta R.T. 0.006 min
Lab File: VN081020.D
Acq: 14 Feb 2024 12:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion:173 Resp: 74469
Ion Ratio Lower Upper
173 100
175 48.5 23.1 69.2
254 0.0 0.0 0.0

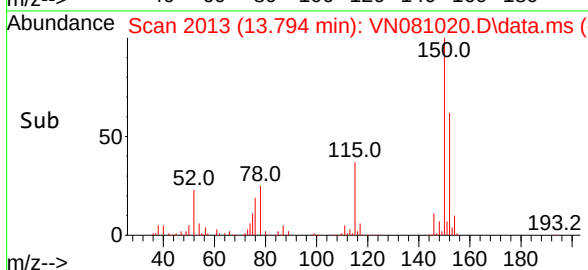
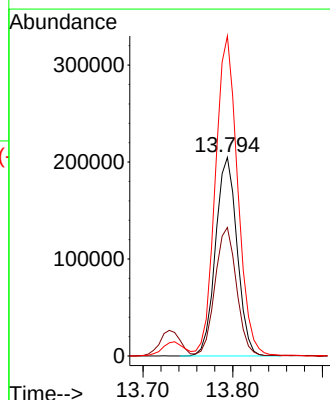
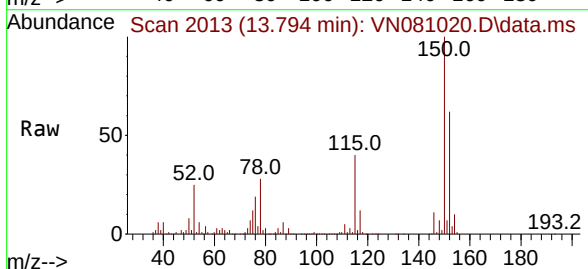
Manual Integrations
APPROVED

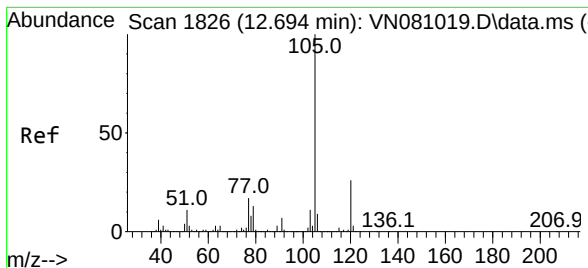
Reviewed By :John Carlone 02/15/2024
Supervised By :Mahesh Dadoda 02/15/2024



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN081020.D
Acq: 14 Feb 2024 12:37

Tgt Ion:152 Resp: 341458
Ion Ratio Lower Upper
152 100
115 64.3 32.3 96.8
150 167.3 0.0 339.8





#73

Isopropylbenzene

Concen: 21.301 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. 0.000 min

Lab File: VN081020.D

Acq: 14 Feb 2024 12:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC020

Tgt Ion:105 Resp: 73488

Ion Ratio Lower Upper

105 100

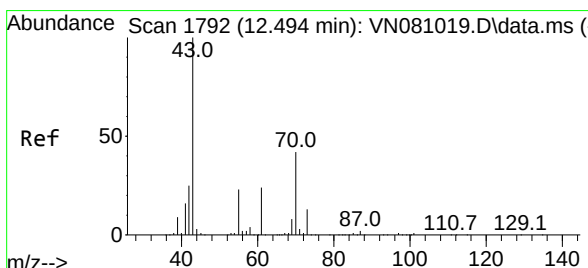
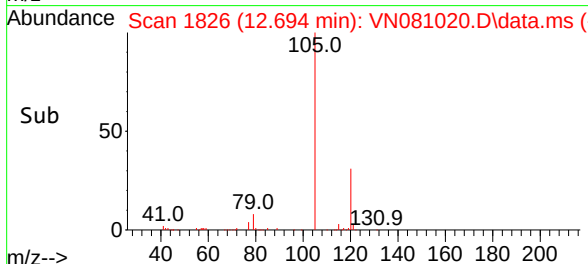
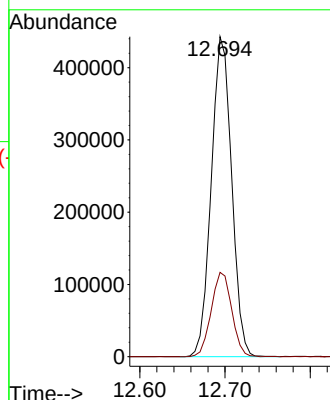
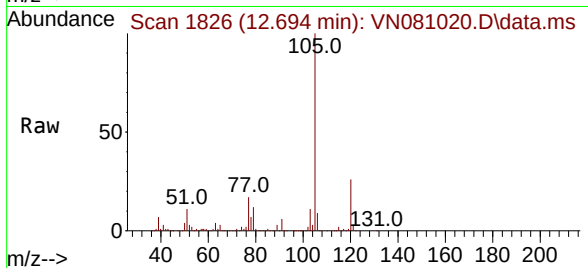
120 26.5 12.6 37.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/15/2024

Supervised By :Mahesh Dadoda 02/15/2024



#74

N-ethyl acetate

Concen: 21.267 ug/l

RT: 12.494 min Scan# 1792

Delta R.T. 0.000 min

Lab File: VN081020.D

Acq: 14 Feb 2024 12:37

Tgt Ion: 43 Resp: 337553

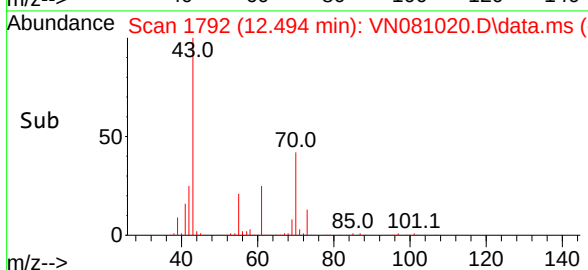
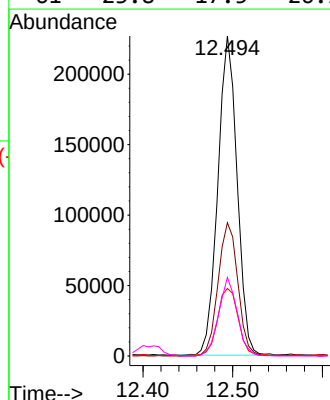
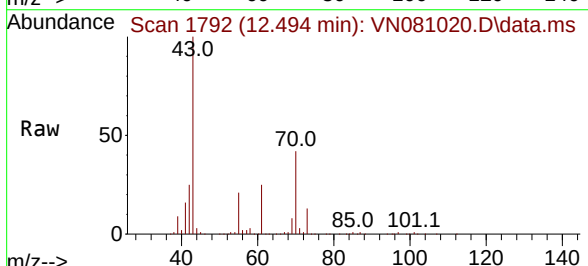
Ion Ratio Lower Upper

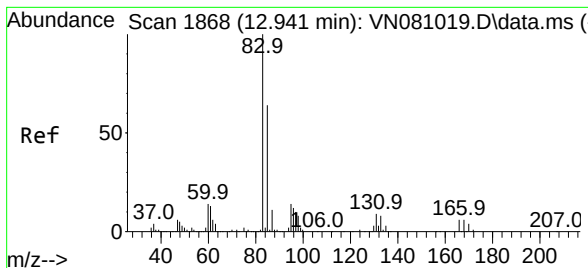
43 100

70 42.7 30.1 45.1

55 23.1 17.0 25.4

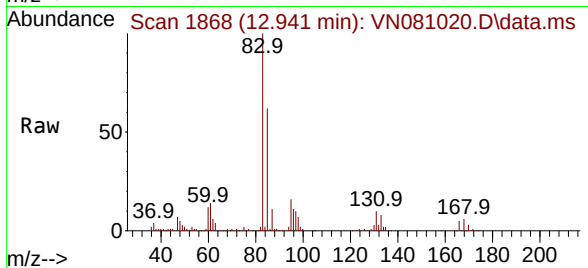
61 23.8 17.5 26.3





#75
1,1,2,2-Tetrachloroethane
Concen: 21.169 ug/l
RT: 12.941 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VN081020.D
Acq: 14 Feb 2024 12:37

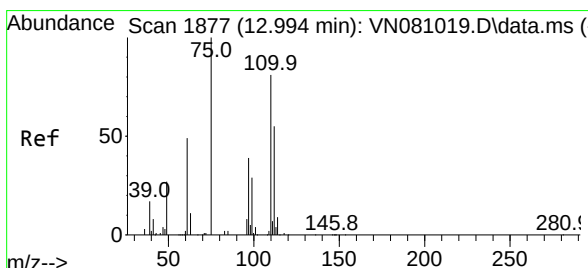
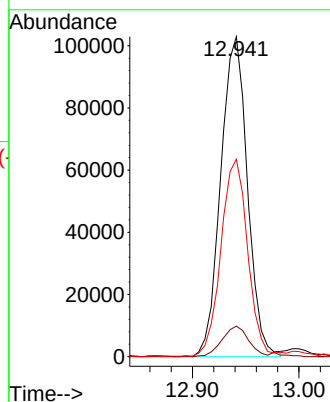
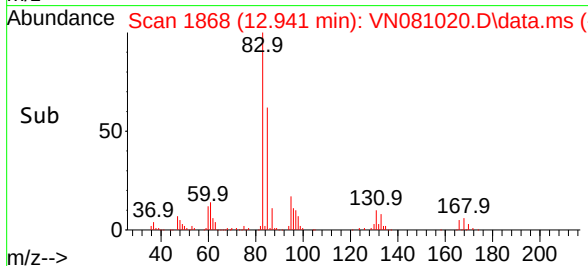
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020



Tgt Ion: 83 Resp: 17925
Ion Ratio Lower Upper
83 100
131 9.5 4.1 12.3
85 61.5 32.1 96.3

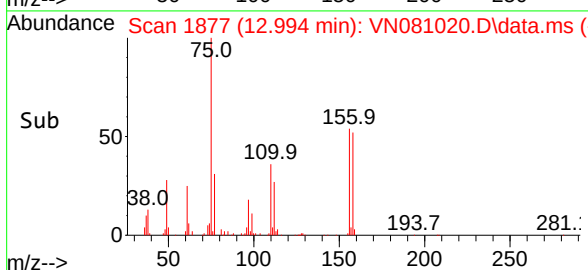
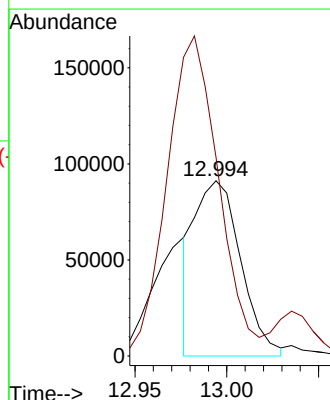
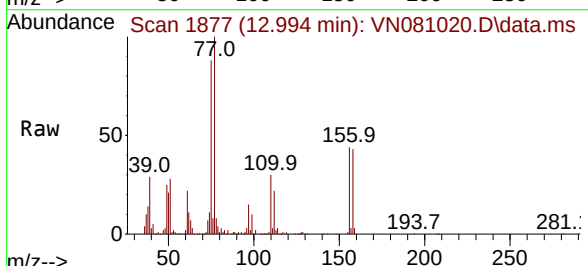
Manual Integrations
APPROVED

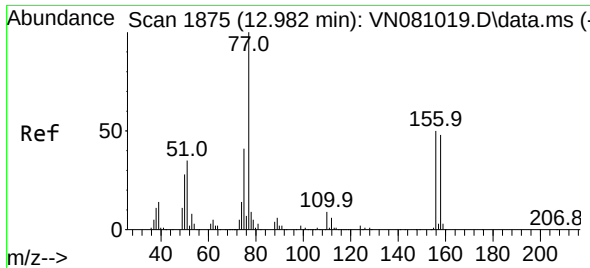
Reviewed By :John Carlone 02/15/2024
Supervised By :Mahesh Dadoda 02/15/2024



#76
1,2,3-Trichloropropane
Concen: 21.332 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. 0.000 min
Lab File: VN081020.D
Acq: 14 Feb 2024 12:37

Tgt Ion: 75 Resp: 158232
Ion Ratio Lower Upper
75 100
77 206.8 91.0 272.8





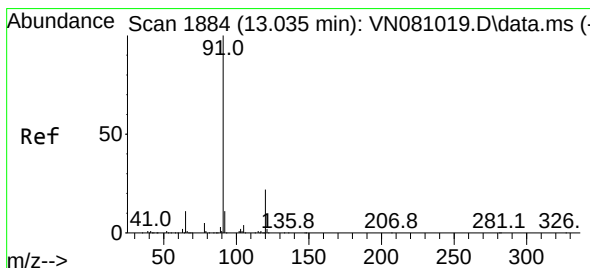
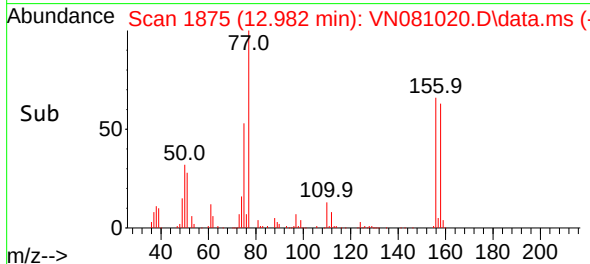
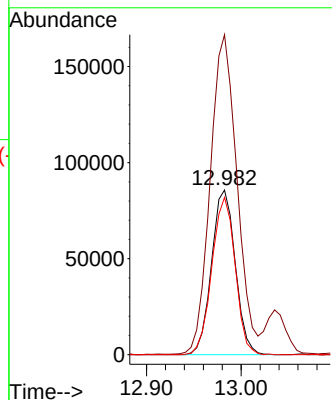
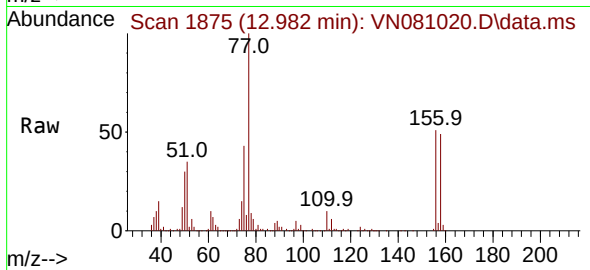
#77
Bromobenzene
Concen: 21.313 ug/l
RT: 12.982 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VN081020.D
Acq: 14 Feb 2024 12:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:156 Resp: 148920
Ion Ratio Lower Upper
156 100
77 219.7 138.1 414.3
158 93.7 46.5 139.5

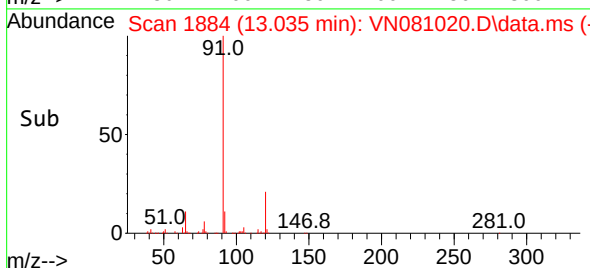
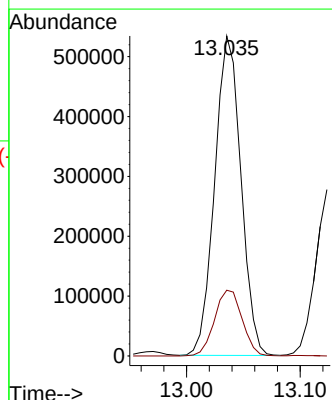
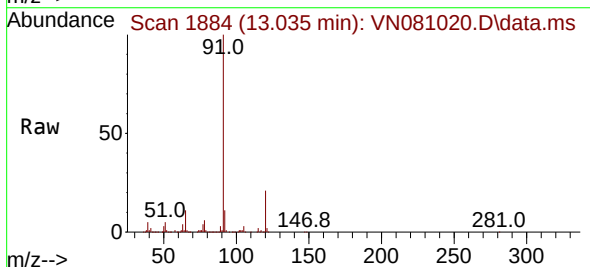
Manual Integrations
APPROVED

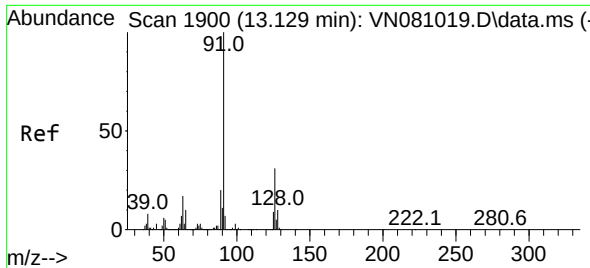
Reviewed By :John Carlone 02/15/2024
Supervised By :Mahesh Dadoda 02/15/2024



#78
n-propylbenzene
Concen: 21.774 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN081020.D
Acq: 14 Feb 2024 12:37

Tgt Ion: 91 Resp: 857173
Ion Ratio Lower Upper
91 100
120 21.7 10.3 30.9





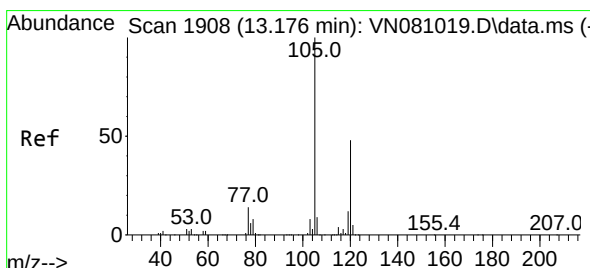
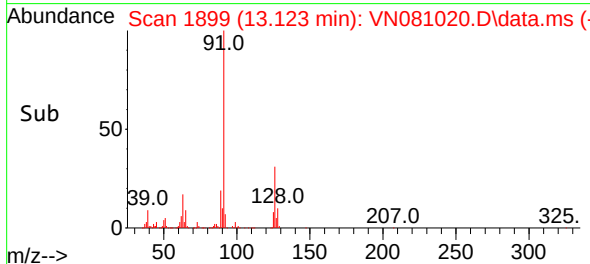
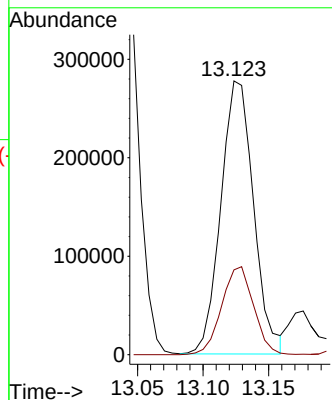
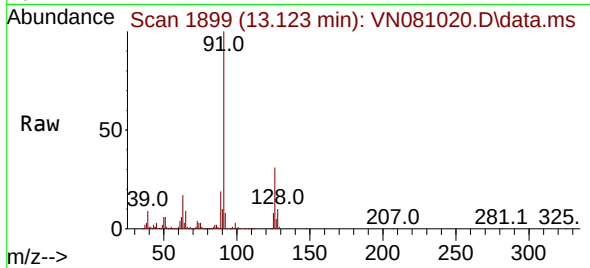
#79
2-Chlorotoluene
Concen: 21.215 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. -0.006 min
Lab File: VN081020.D
Acq: 14 Feb 2024 12:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 48237
Ion Ratio Lower Upper
91 100
126 31.4 14.8 44.4

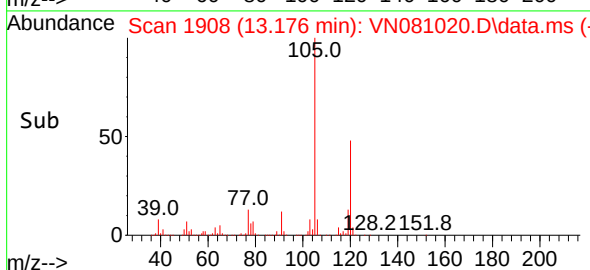
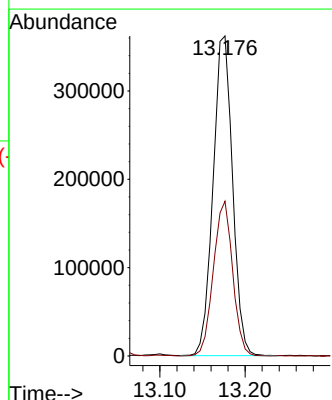
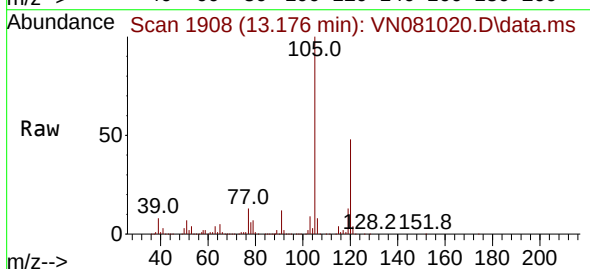
Manual Integrations
APPROVED

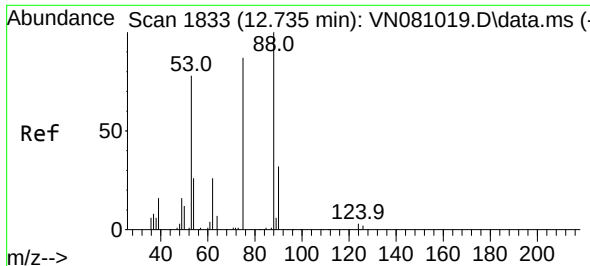
Reviewed By :John Carlone 02/15/2024
Supervised By :Mahesh Dadoda 02/15/2024



#80
1,3,5-Trimethylbenzene
Concen: 21.487 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VN081020.D
Acq: 14 Feb 2024 12:37

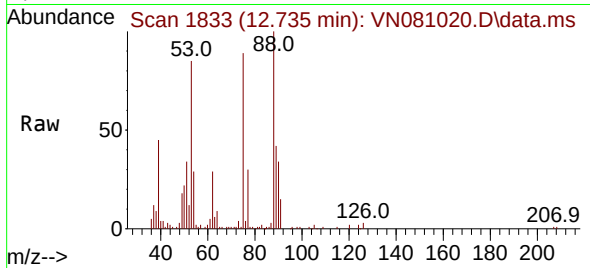
Tgt Ion:105 Resp: 575130
Ion Ratio Lower Upper
105 100
120 47.9 23.0 69.0





#81
trans-1,4-Dichloro-2-butene
Concen: 21.313 ug/l
RT: 12.735 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN081020.D
Acq: 14 Feb 2024 12:37

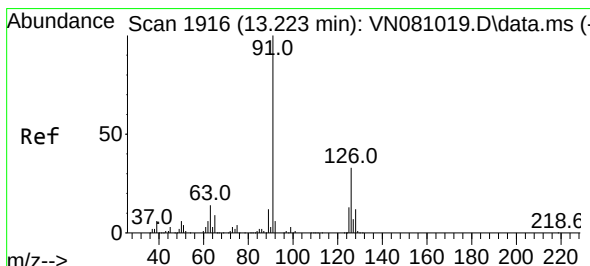
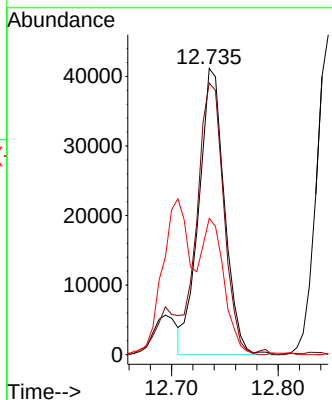
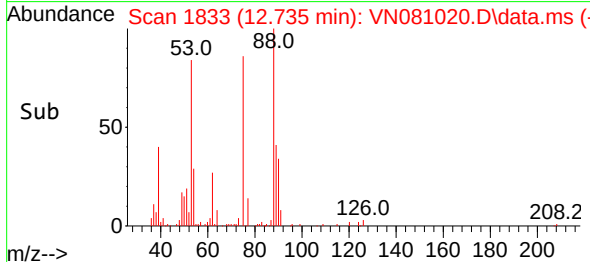
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion: 75 Resp: 69078
Ion Ratio Lower Upper
75 100
53 97.9 71.4 107.2
89 40.6 33.4 50.0

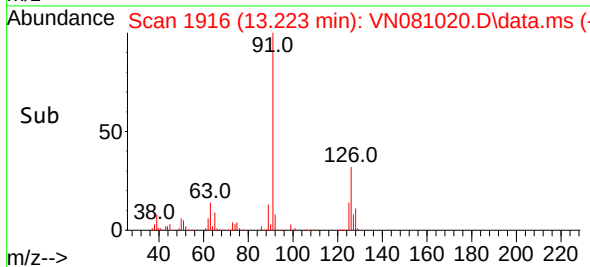
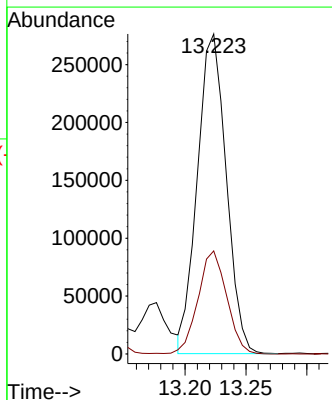
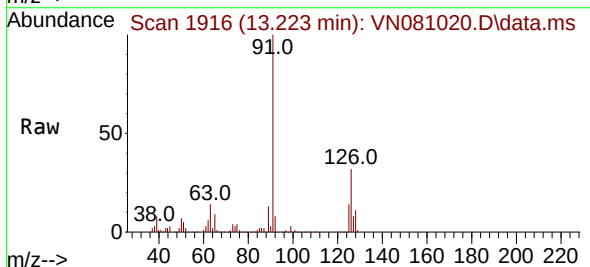
Manual Integrations
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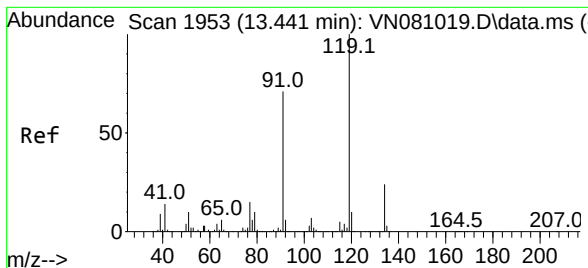
Reviewed By :John Carlone 02/15/2024
Supervised By :Mahesh Dadoda 02/15/2024



#82
4-Chlorotoluene
Concen: 20.752 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.000 min
Lab File: VN081020.D
Acq: 14 Feb 2024 12:37

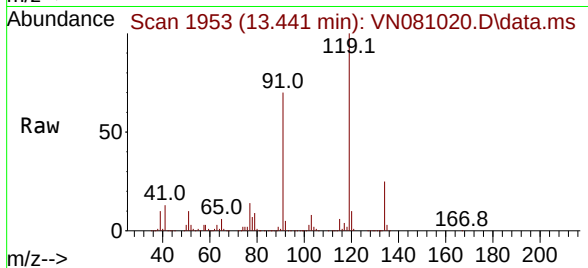
Tgt Ion: 91 Resp: 455984
Ion Ratio Lower Upper
91 100
126 32.0 15.3 45.9





#83
tert-Butylbenzene
Concen: 21.431 ug/l
RT: 13.441 min Scan# 1953
Delta R.T. 0.000 min
Lab File: VN081020.D
Acq: 14 Feb 2024 12:37

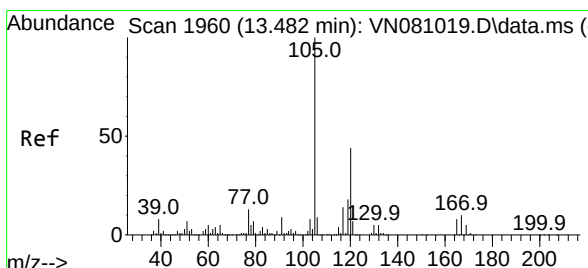
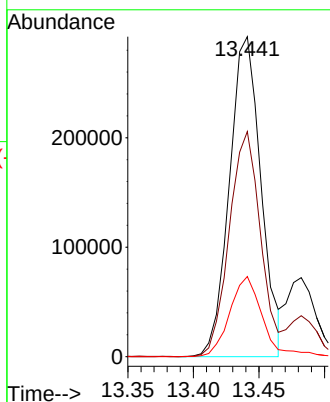
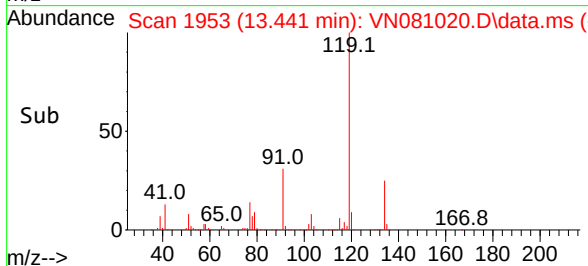
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020



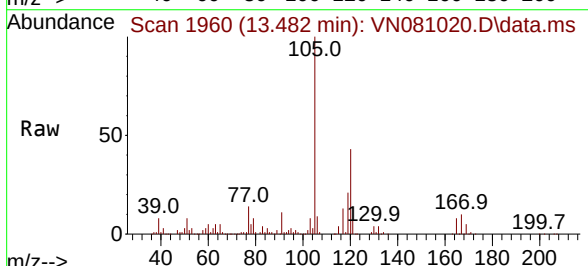
Tgt Ion:119 Resp: 491223
Ion Ratio Lower Upper
119 100
91 71.2 36.8 110.4
134 26.1 12.4 37.4

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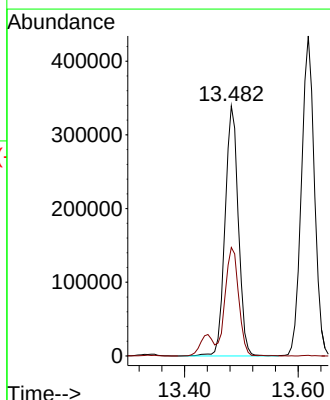
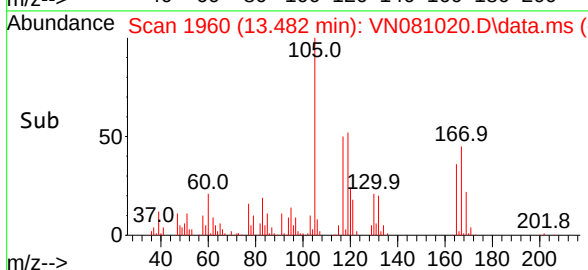
Reviewed By :John Carlone 02/15/2024
Supervised By :Mahesh Dadoda 02/15/2024

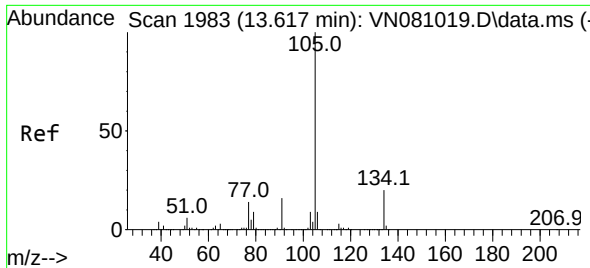


#84
1,2,4-Trimethylbenzene
Concen: 21.402 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN081020.D
Acq: 14 Feb 2024 12:37



Tgt Ion:105 Resp: 551942
Ion Ratio Lower Upper
105 100
120 44.3 20.9 62.7





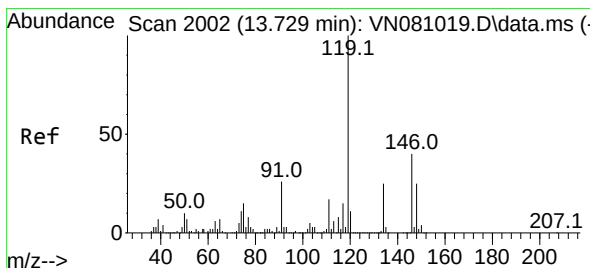
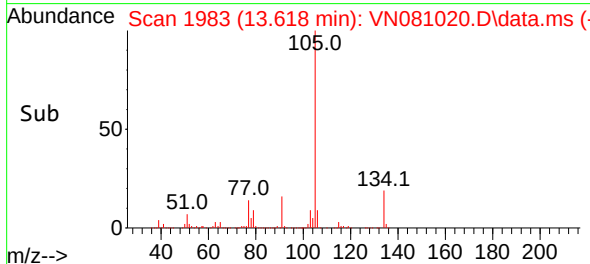
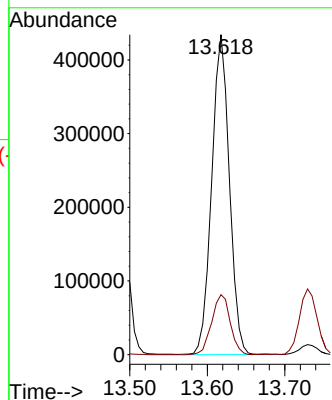
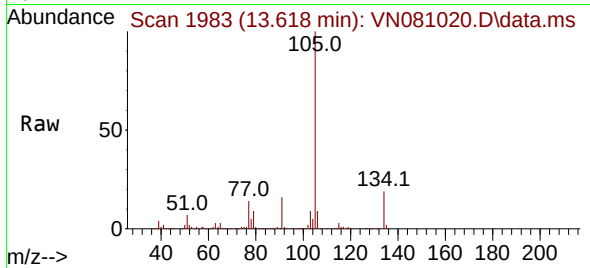
#85
 sec-Butylbenzene
 Concen: 21.856 ug/l
 RT: 13.618 min Scan# 1983
 Delta R.T. 0.000 min
 Lab File: VN081020.D
 Acq: 14 Feb 2024 12:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion:105 Resp: 68726
 Ion Ratio Lower Upper
 105 100
 134 19.6 8.6 25.8

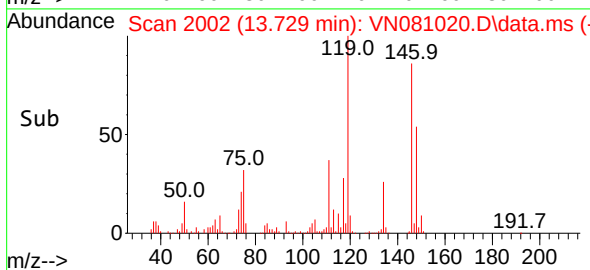
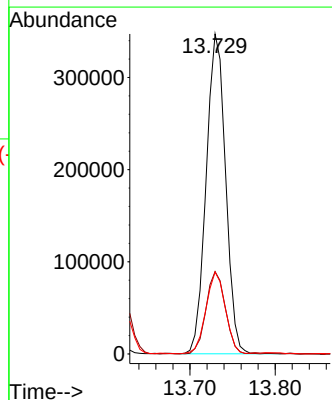
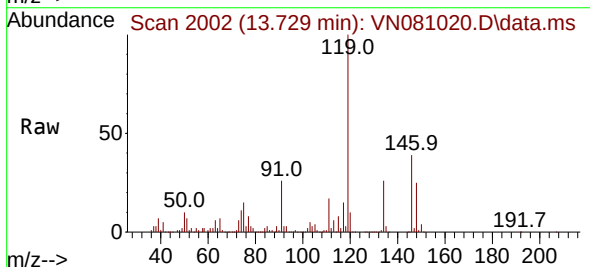
Manual Integrations
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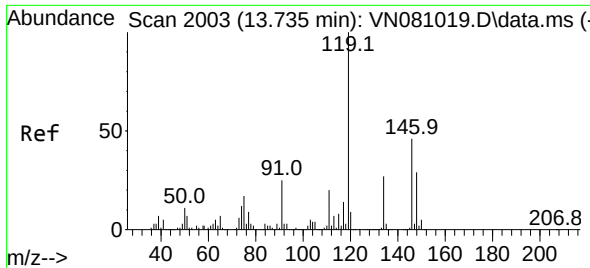
Reviewed By :John Carlone 02/15/2024
 Supervised By :Mahesh Dadoda 02/15/2024



#86
 p-Isopropyltoluene
 Concen: 21.755 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. 0.000 min
 Lab File: VN081020.D
 Acq: 14 Feb 2024 12:37

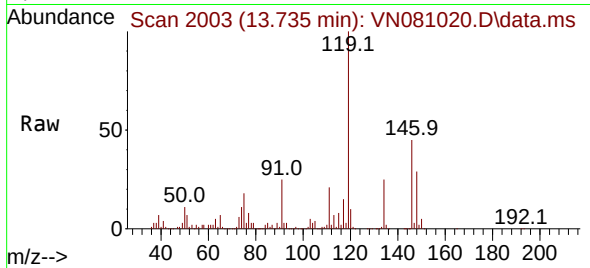
Tgt Ion:119 Resp: 550128
 Ion Ratio Lower Upper
 119 100
 134 25.6 12.4 37.2
 91 25.4 13.5 40.4





#87
 1,3-Dichlorobenzene
 Concen: 20.878 ug/l
 RT: 13.735 min Scan# 2003
 Delta R.T. 0.000 min
 Lab File: VN081020.D
 Acq: 14 Feb 2024 12:37

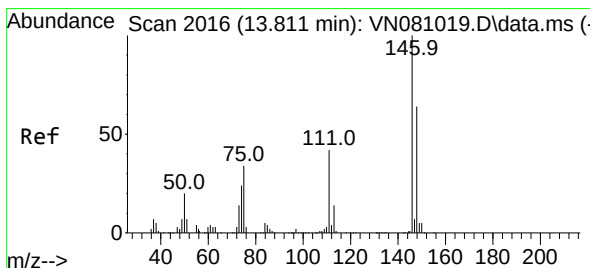
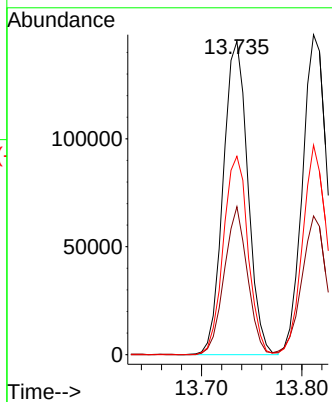
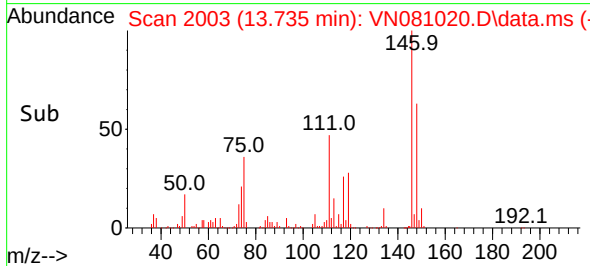
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020



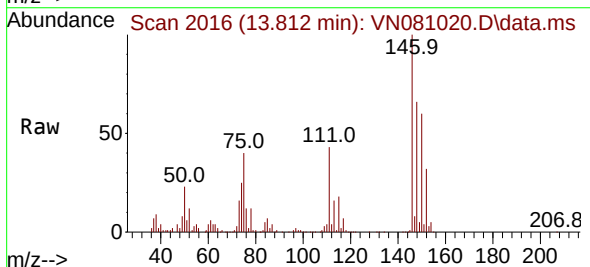
Tgt Ion:146 Resp: 248085
 Ion Ratio Lower Upper
 146 100
 111 44.4 23.9 71.7
 148 63.4 32.6 97.7

Manual Integrations
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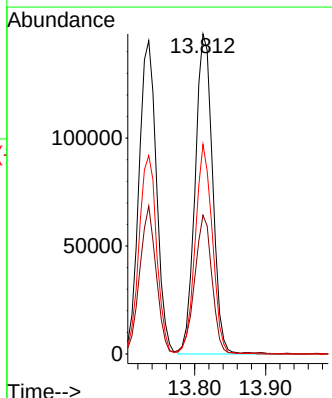
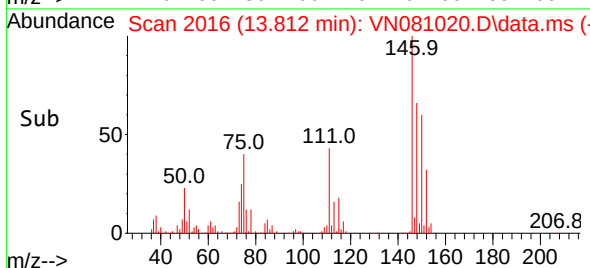
Reviewed By :John Carlone 02/15/2024
 Supervised By :Mahesh Dadoda 02/15/2024

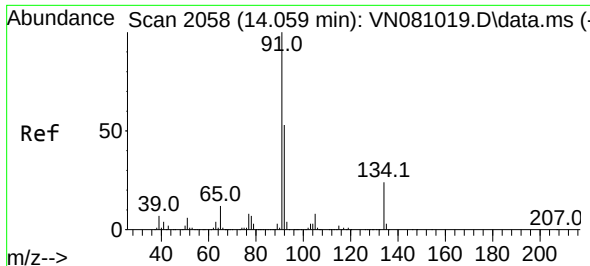


#88
 1,4-Dichlorobenzene
 Concen: 20.648 ug/l
 RT: 13.812 min Scan# 2016
 Delta R.T. 0.000 min
 Lab File: VN081020.D
 Acq: 14 Feb 2024 12:37



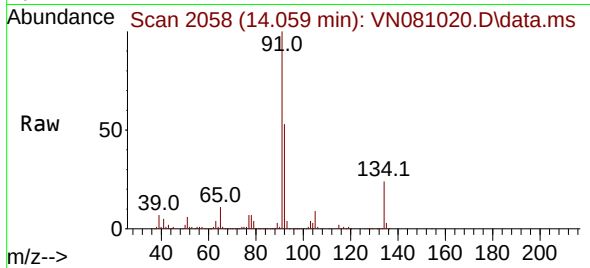
Tgt Ion:146 Resp: 253501
 Ion Ratio Lower Upper
 146 100
 111 42.8 22.6 67.7
 148 63.5 31.9 95.5





#89
n-Butylbenzene
Concen: 20.545 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. 0.000 min
Lab File: VN081020.D
Acq: 14 Feb 2024 12:37

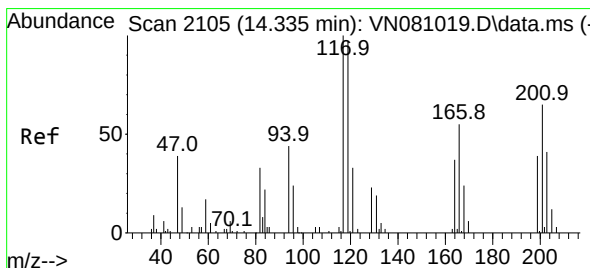
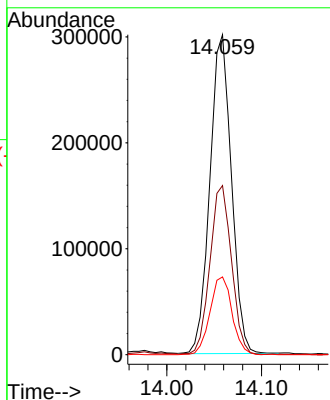
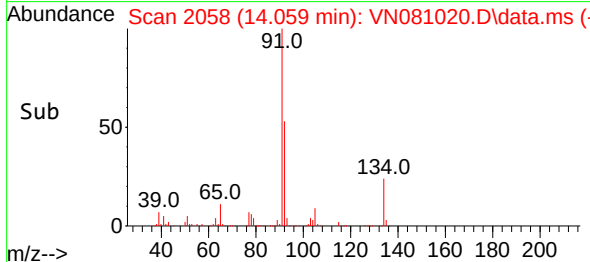
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion: 91 Resp: 47554
Ion Ratio Lower Upper
91 100
92 52.9 26.7 80.1
134 25.0 10.8 32.4

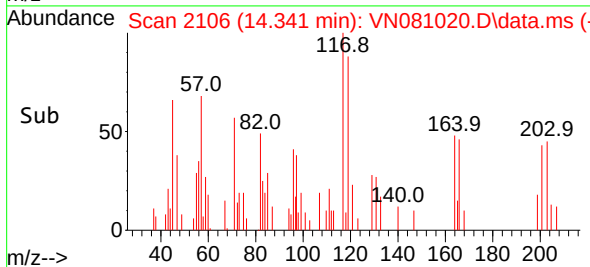
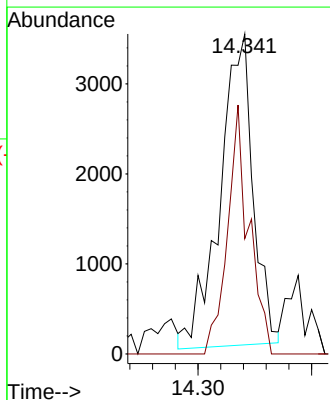
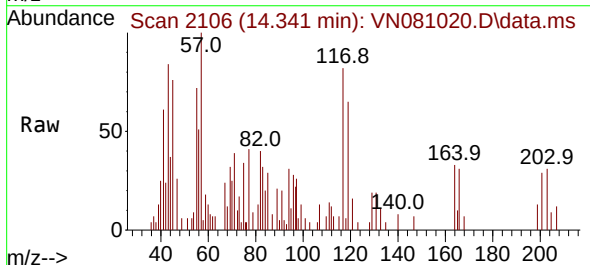
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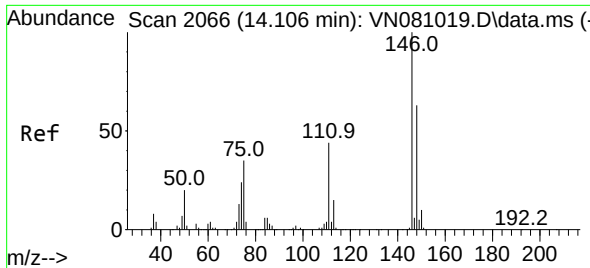
Reviewed By :John Carlone 02/15/2024
Supervised By :Mahesh Dadoda 02/15/2024



#90
Hexachloroethane
Concen: 20.092 ug/l
RT: 14.341 min Scan# 2106
Delta R.T. 0.006 min
Lab File: VN081020.D
Acq: 14 Feb 2024 12:37

Tgt Ion:117 Resp: 7013
Ion Ratio Lower Upper
117 100
201 51.5 30.0 90.0





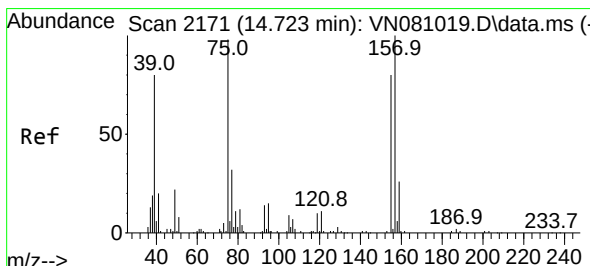
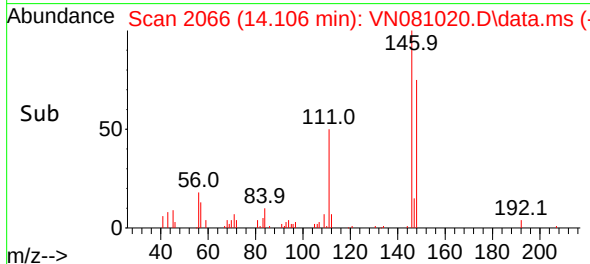
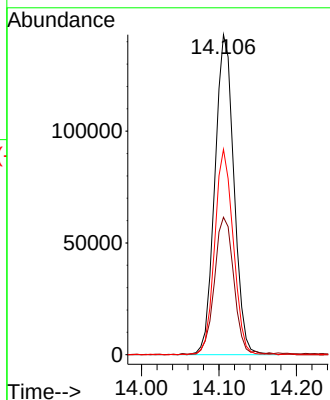
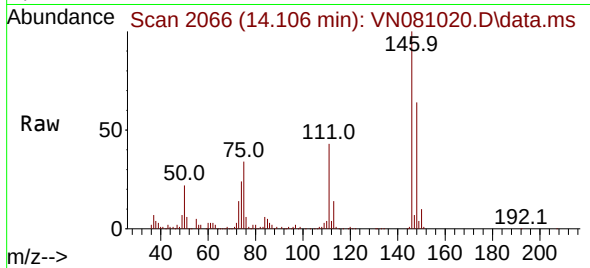
#91
1,2-Dichlorobenzene
Concen: 21.254 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. 0.000 min
Lab File: VN081020.D
Acq: 14 Feb 2024 12:37

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 244818
Ion Ratio Lower Upper
146 100
111 43.9 23.9 71.8
148 62.4 31.4 94.0

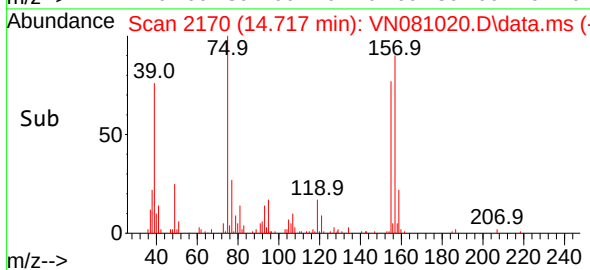
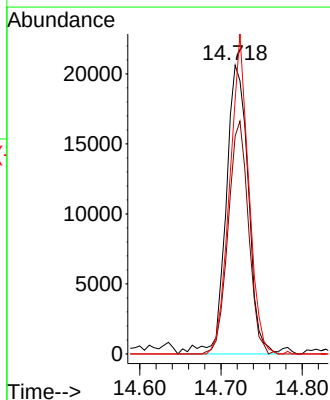
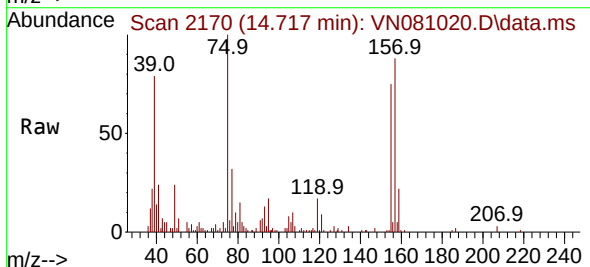
Manual Integrations
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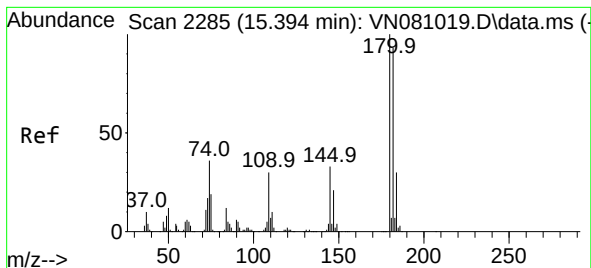
Reviewed By :John Carlone 02/15/2024
Supervised By :Mahesh Dadoda 02/15/2024



#92
1,2-Dibromo-3-Chloropropane
Concen: 22.018 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.006 min
Lab File: VN081020.D
Acq: 14 Feb 2024 12:37

Tgt Ion: 75 Resp: 39285
Ion Ratio Lower Upper
75 100
155 73.6 31.8 95.4
157 94.2 41.1 123.4





#93

1,2,4-Trichlorobenzene

Concen: 20.536 ug/l

RT: 15.394 min Scan# 2285

Delta R.T. 0.000 min

Lab File: VN081020.D

Acq: 14 Feb 2024 12:37

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion:180 Resp: 14171

Ion Ratio Lower Upper

180 100

182 96.6 46.6 139.7

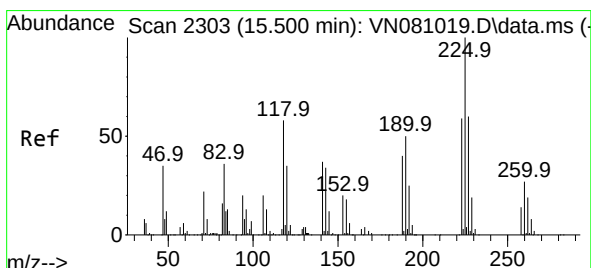
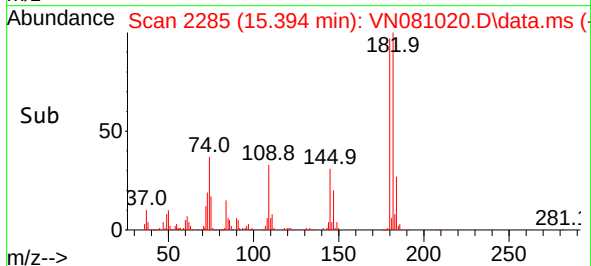
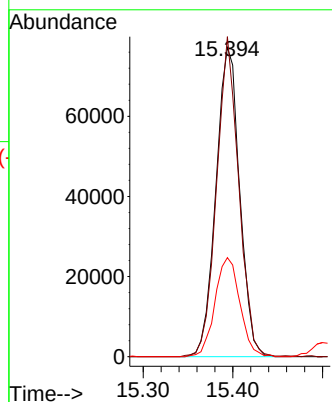
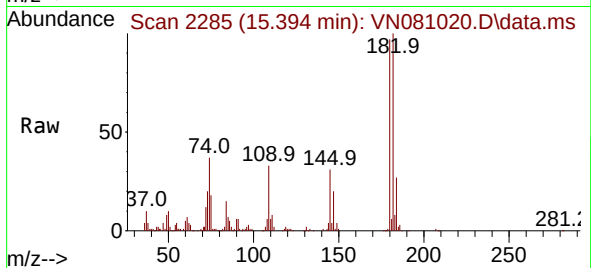
145 33.6 16.8 50.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/15/2024

Supervised By :Mahesh Dadoda 02/15/2024



#94

Hexachlorobutadiene

Concen: 20.351 ug/l

RT: 15.500 min Scan# 2303

Delta R.T. -0.000 min

Lab File: VN081020.D

Acq: 14 Feb 2024 12:37

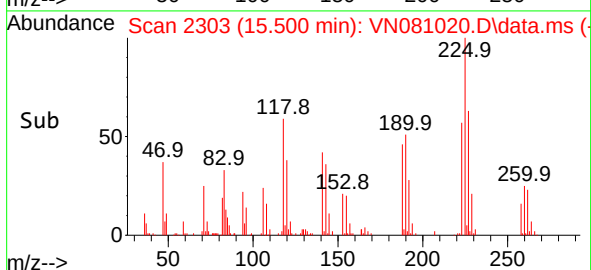
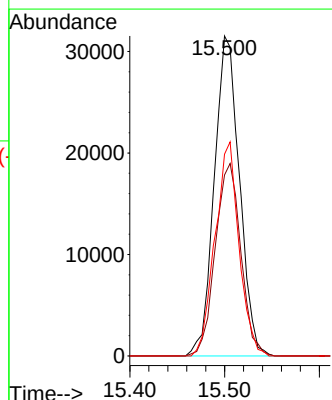
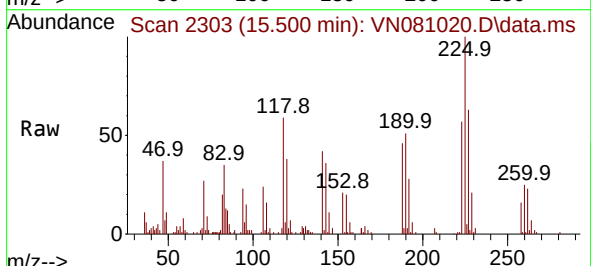
Tgt Ion:225 Resp: 58083

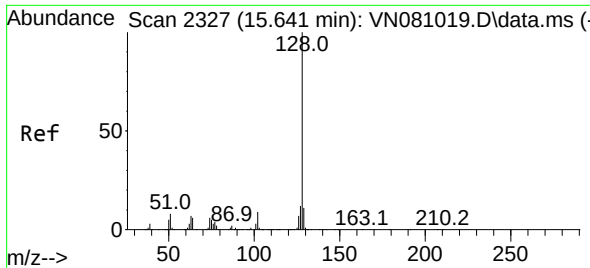
Ion Ratio Lower Upper

225 100

223 61.1 33.3 99.8

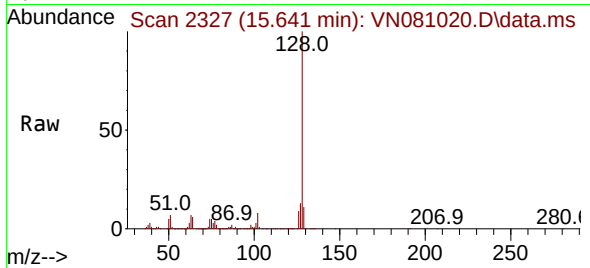
227 63.8 33.1 99.2





#95
Naphthalene
Concen: 20.540 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.000 min
Lab File: VN081020.D
Acq: 14 Feb 2024 12:37

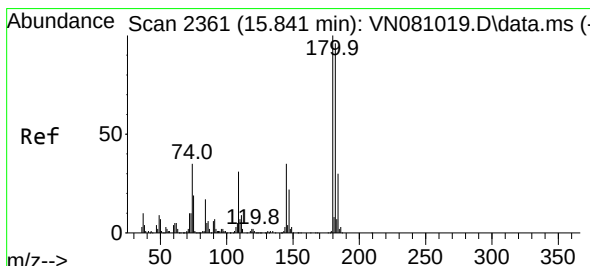
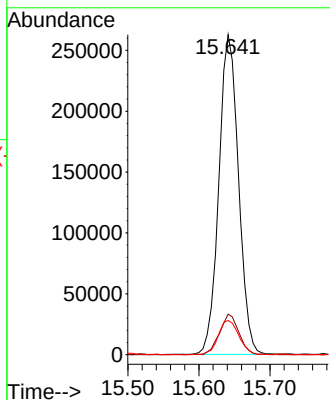
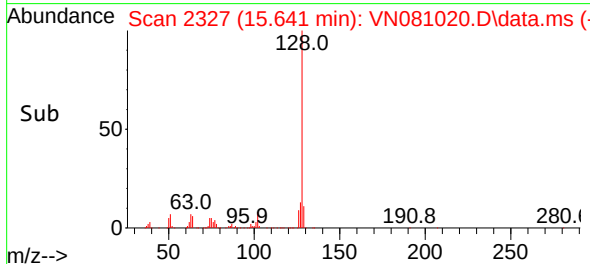
Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020



Tgt Ion:128 Resp: 504260
Ion Ratio Lower Upper
128 100
127 12.6 10.0 15.0
129 11.3 8.7 13.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/15/2024
Supervised By :Mahesh Dadoda 02/15/2024



#96
1,2,3-Trichlorobenzene
Concen: 20.641 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. 0.000 min
Lab File: VN081020.D
Acq: 14 Feb 2024 12:37

Tgt Ion:180 Resp: 139586
Ion Ratio Lower Upper
180 100
182 97.7 46.5 139.3
145 35.9 17.8 53.4

